

# Appendix B

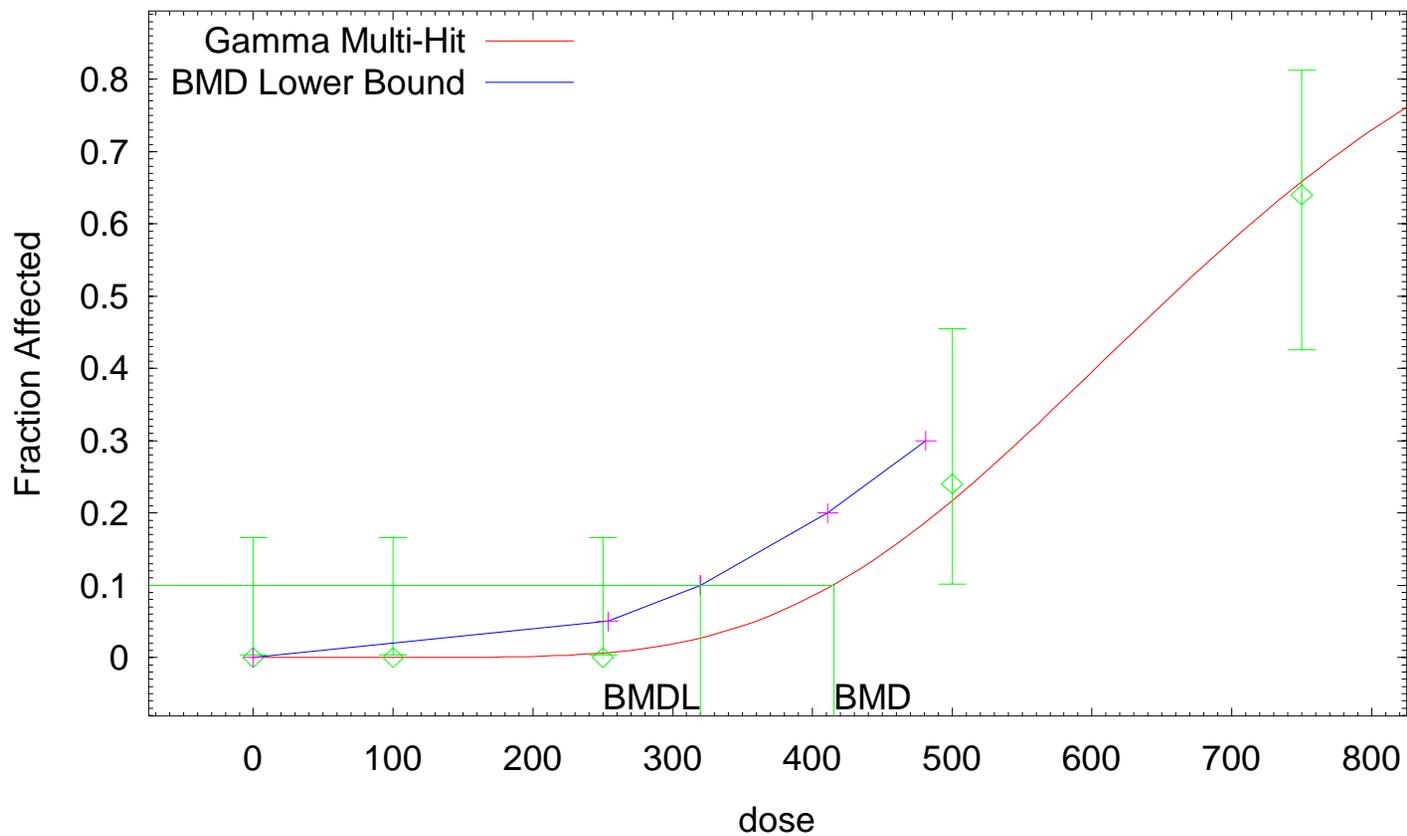
## WGNUPLOT Graphs from BMDS

Appendix B contains 41 graphs presenting the output datasets from the Benchmark Dose-Response Model for studies on the effects to the liver by chemical dose.

Note that the reference, Stump 2001 is referenced as WIL 2001 in the rest of the document. (Stump 2001/WIL 2001. An Inhalation Two-Generation Reproductive Toxicity Study of 1-Bromopropane in Rats. Conducted by WIL Research Laboratories, Inc., Sponsored by Brominated Solvents Consortium. May 24, 2001)

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Females (Stump 2001)  
Gamma Multi-Hit Model with 0.95 Confidence Level

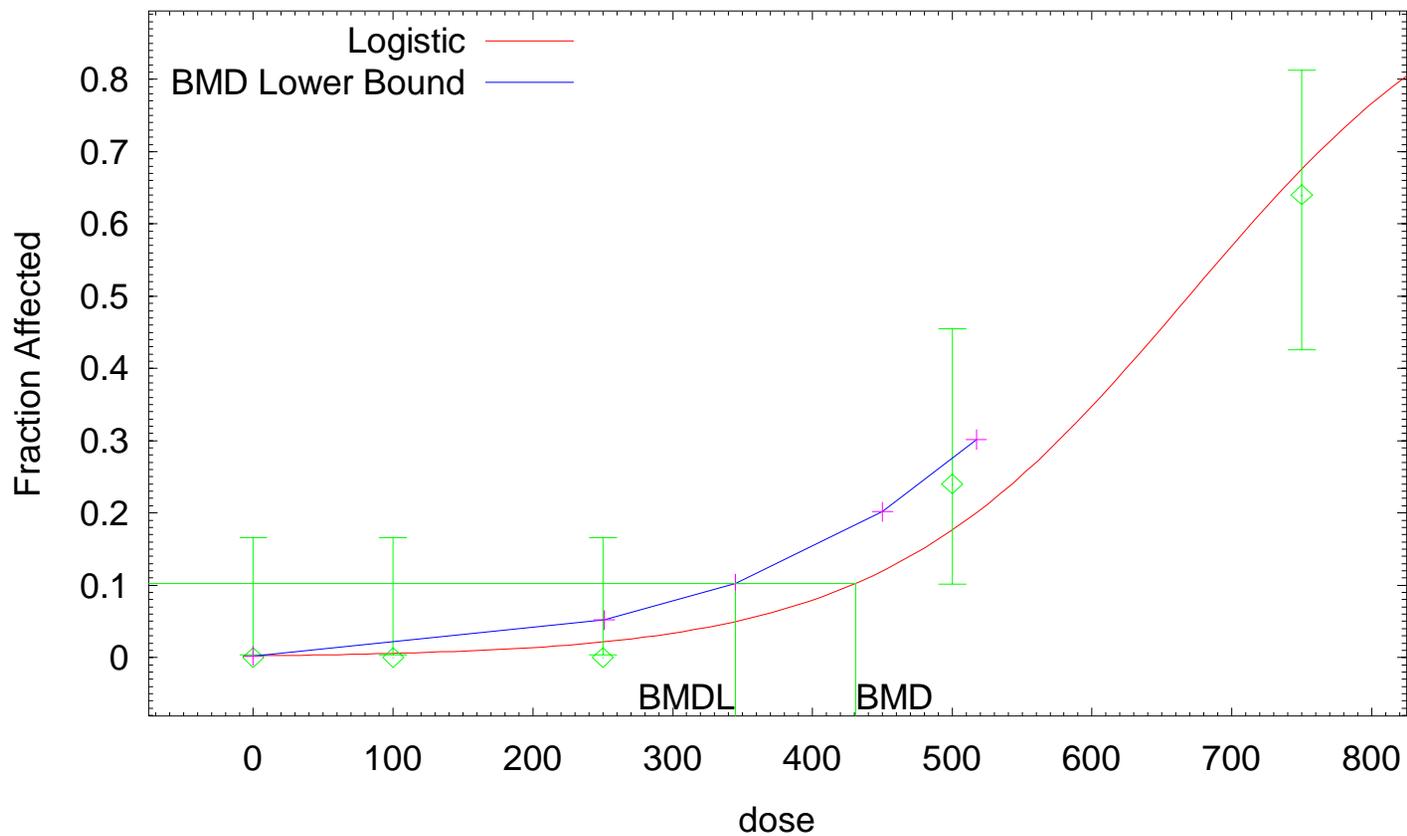


15:14 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Females (Stump 2001)  
Logistic Model with 0.95 Confidence Level

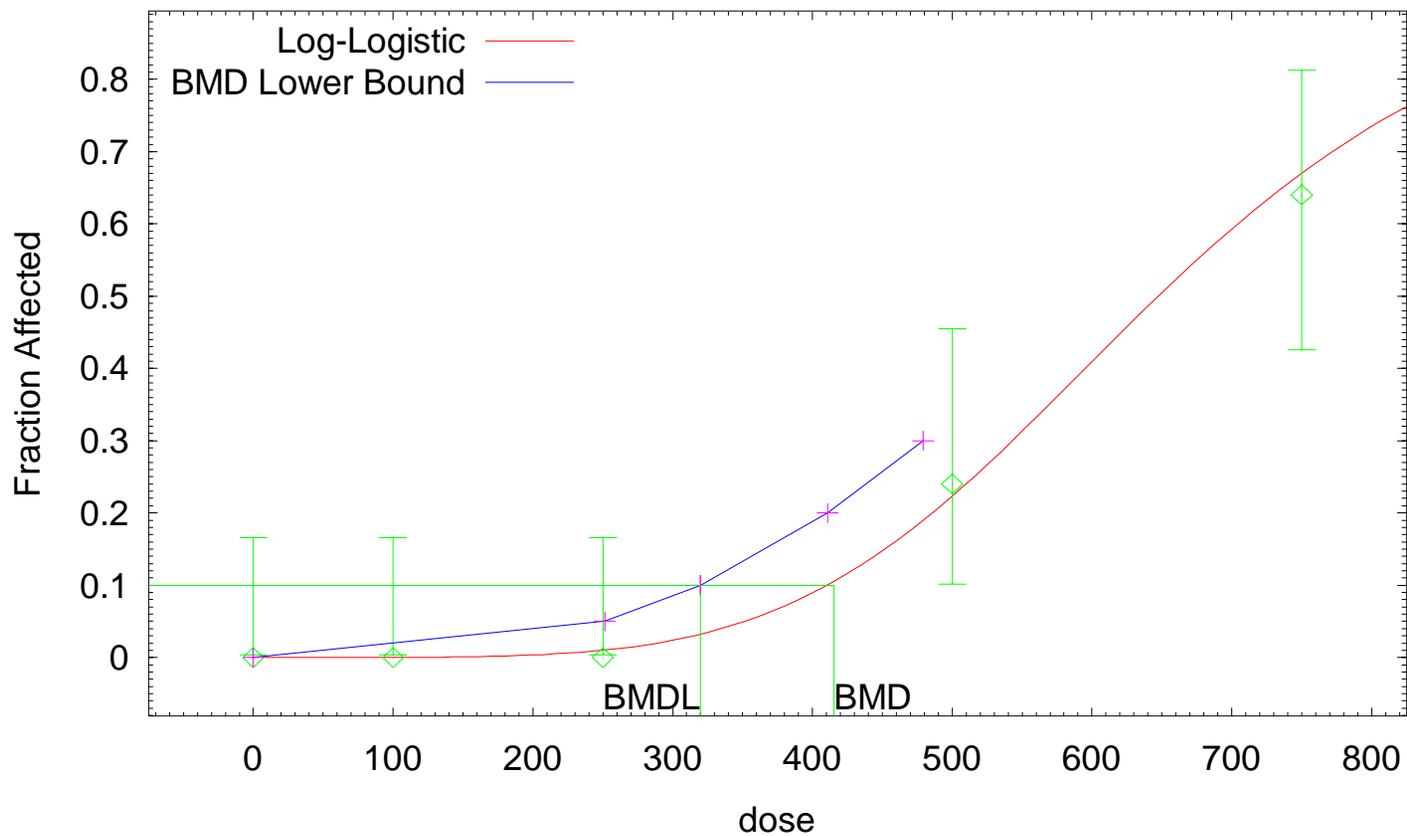


15:15 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Females (Stump 2001)  
Log-Logistic Model with 0.95 Confidence Level

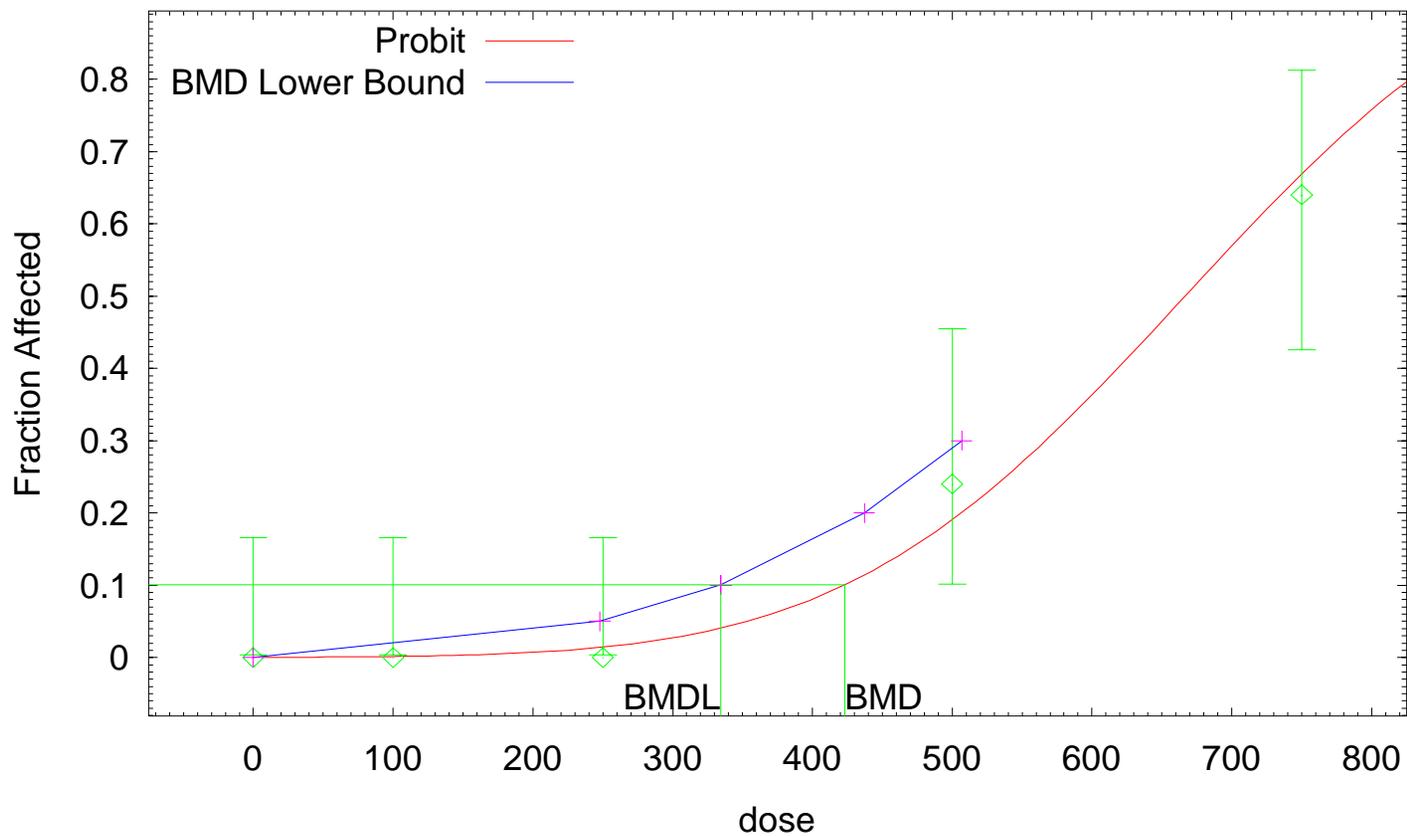


15:17 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Females (Stump 2001)  
Probit Model with 0.95 Confidence Level

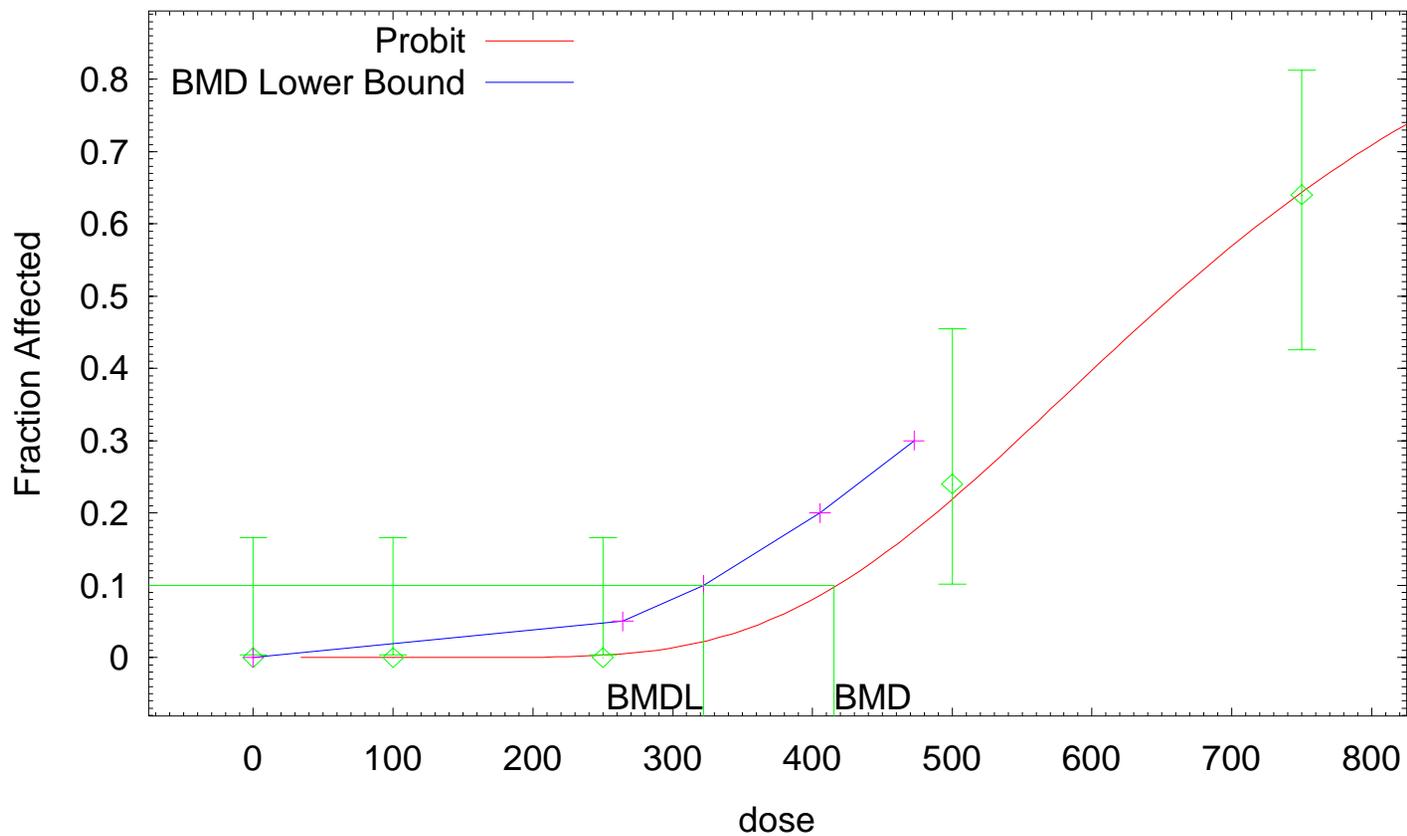


15:18 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Females (Stump 2001)  
Log-Probit Model with 0.95 Confidence Level

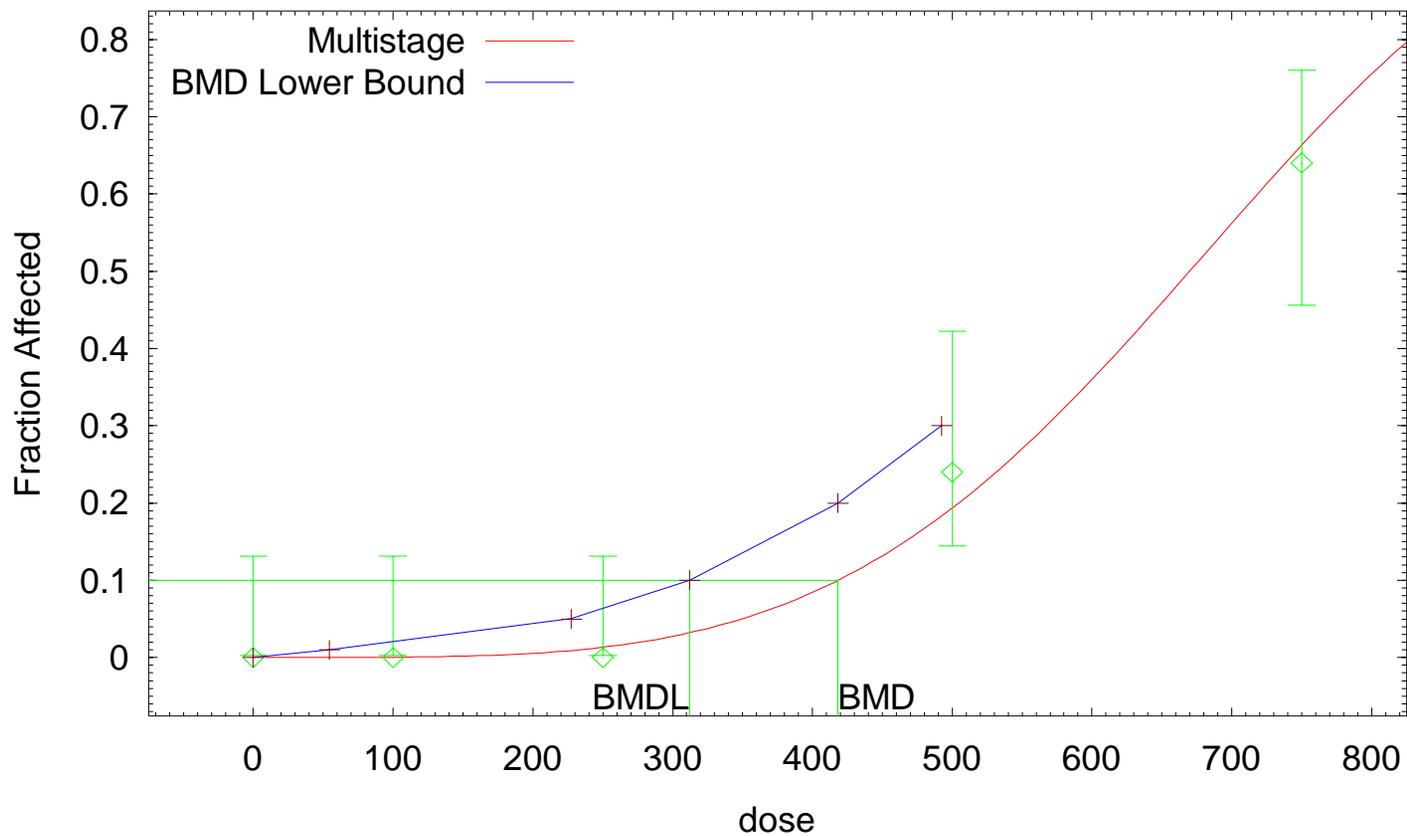


15:18 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Females (Stump 2001)  
Multistage Model with 0.95 Confidence Level

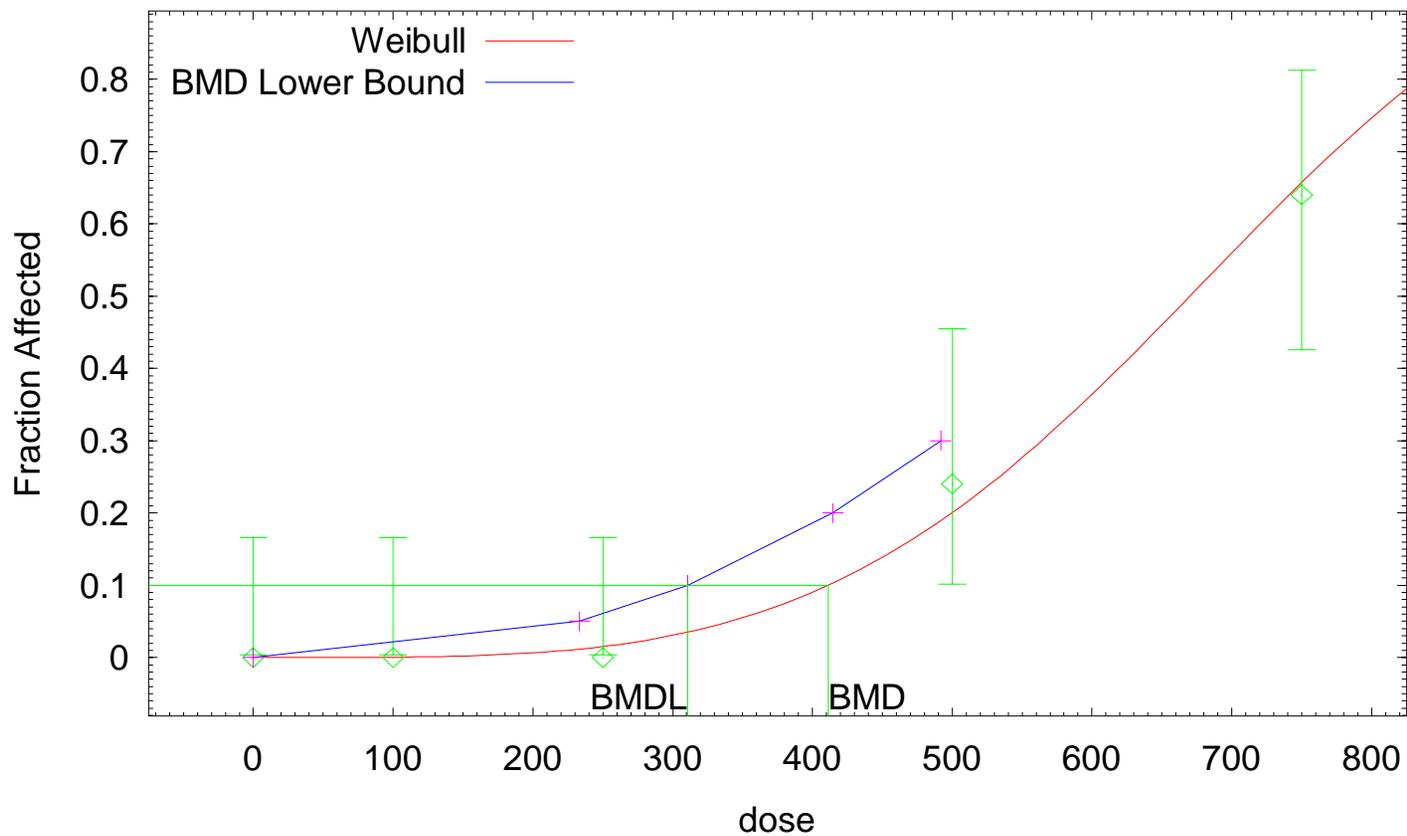


16:00 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Females (Stump 2001)  
Weibull Model with 0.95 Confidence Level

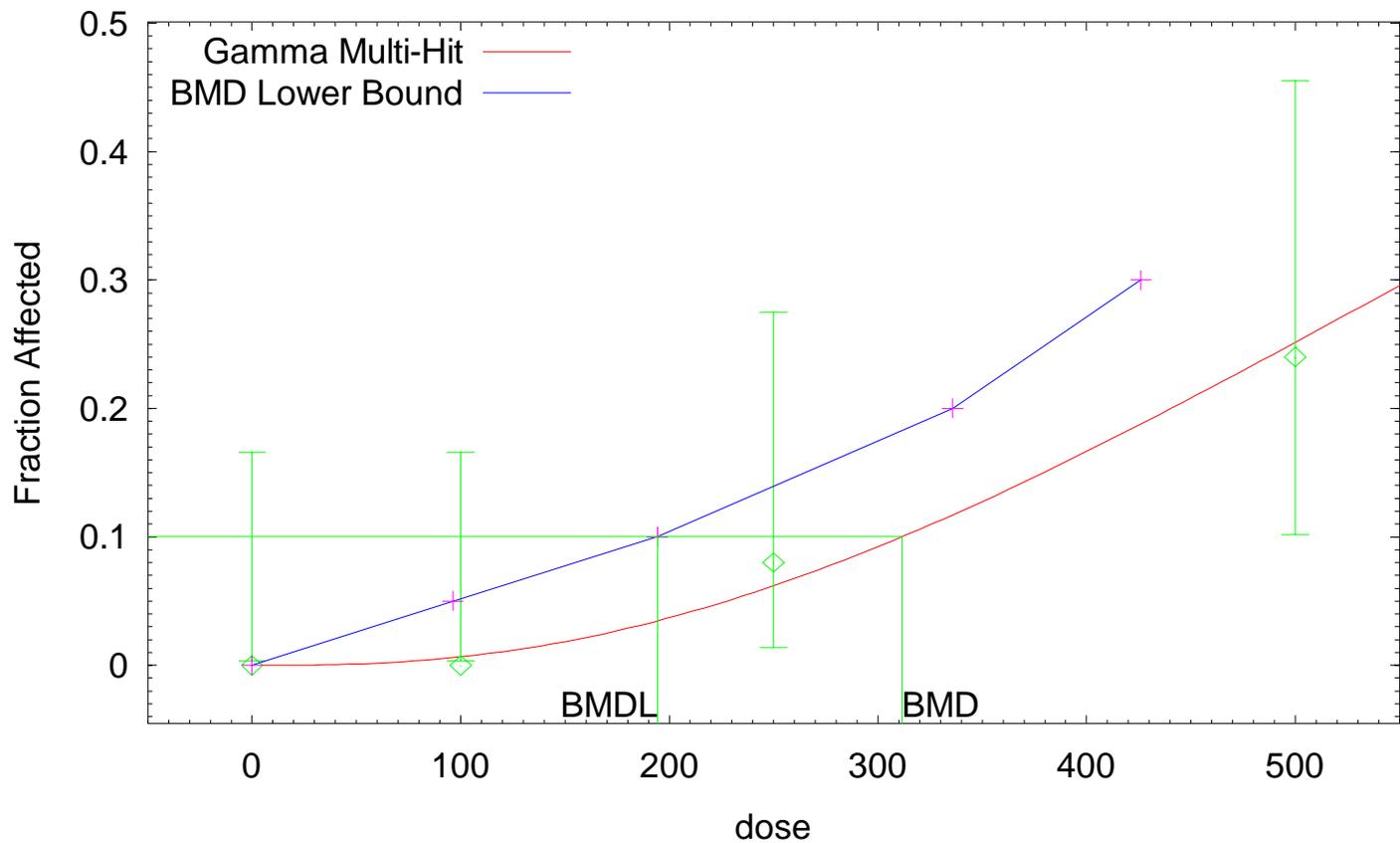


15:19 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Females (Stump 2001)  
Gamma Multi-Hit Model with 0.95 Confidence Level

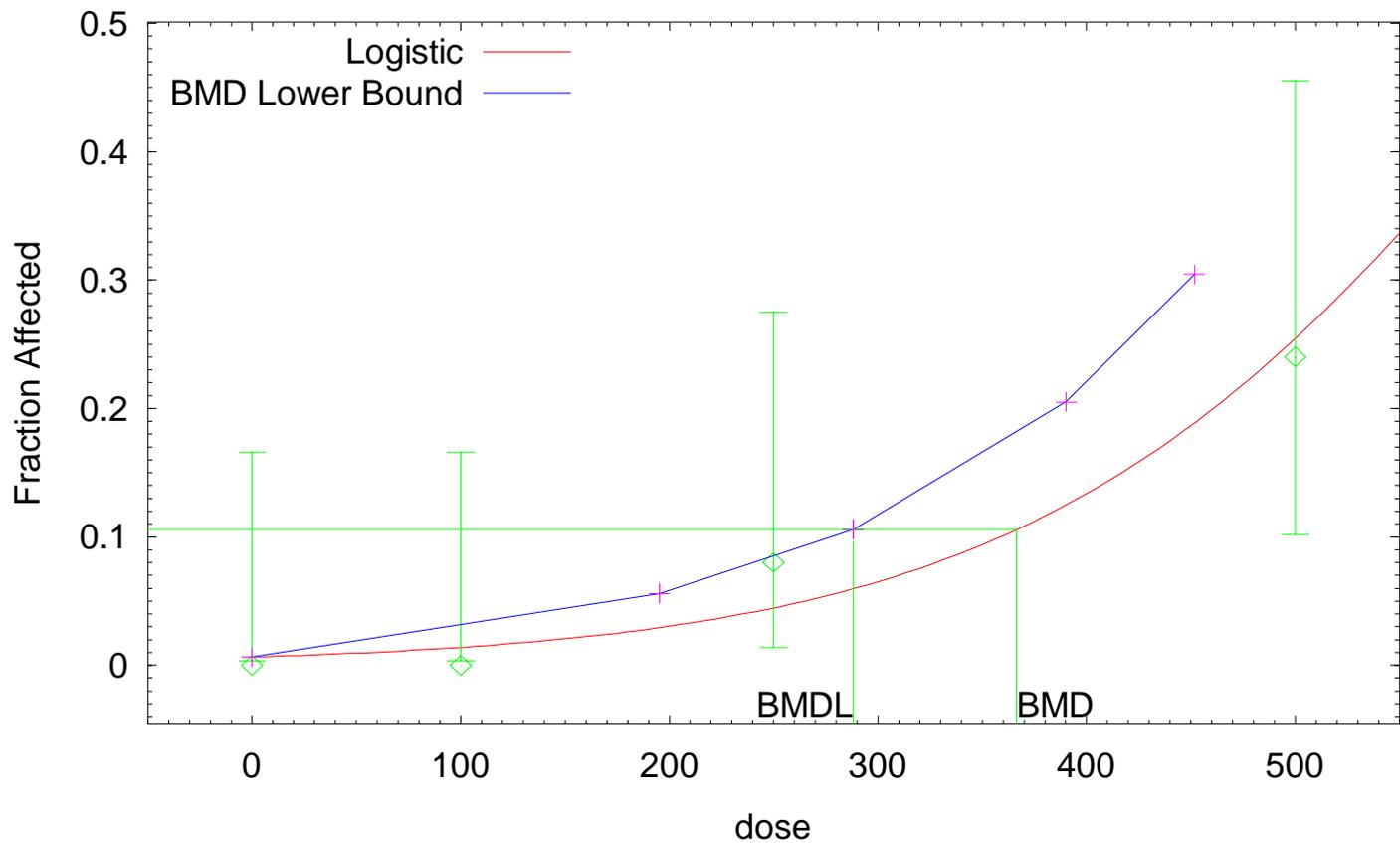


15:19 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Females (Stump 2001)  
Logistic Model with 0.95 Confidence Level

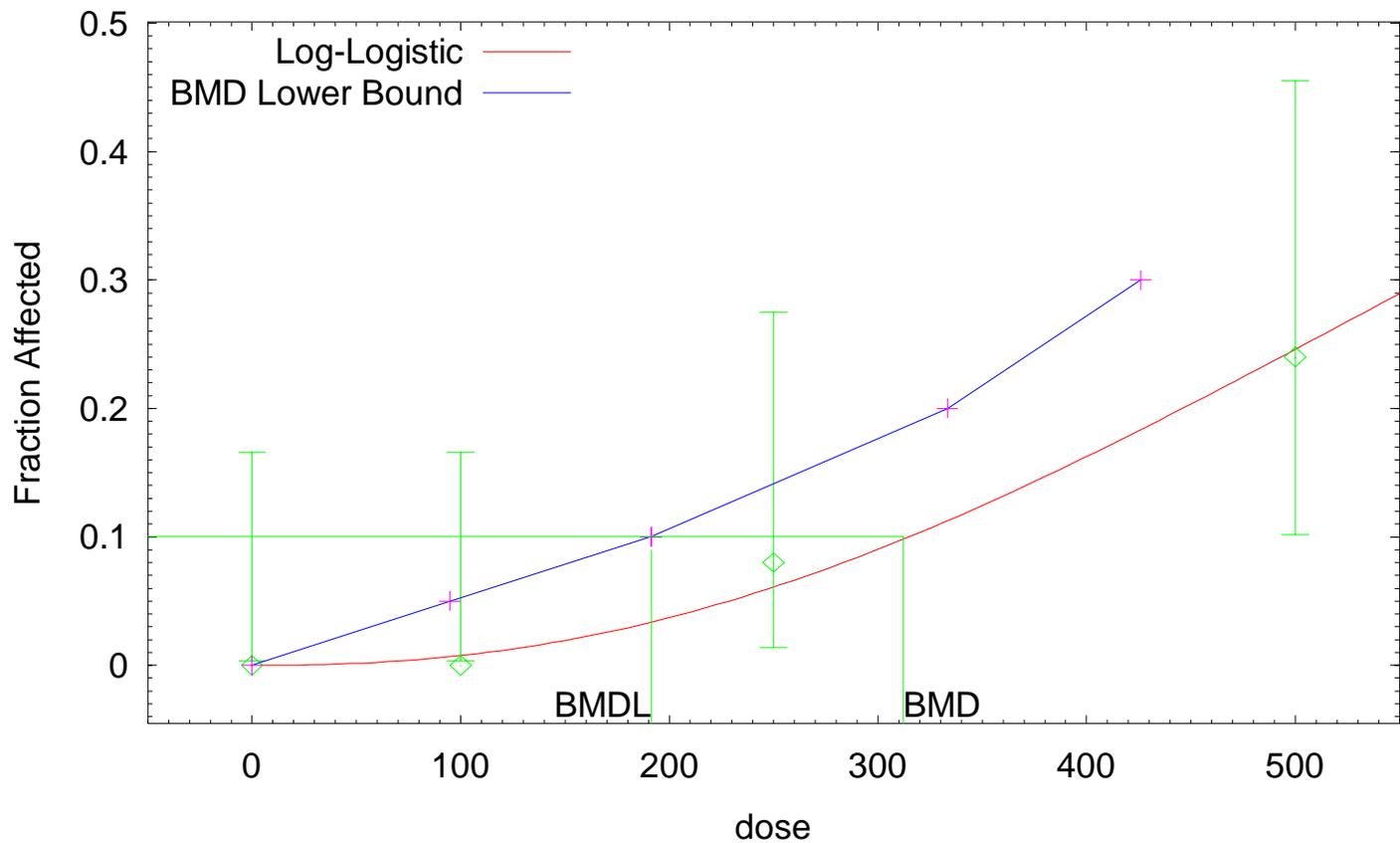


15:20 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Females (Stump 2001)  
Log-Logistic Model with 0.95 Confidence Level

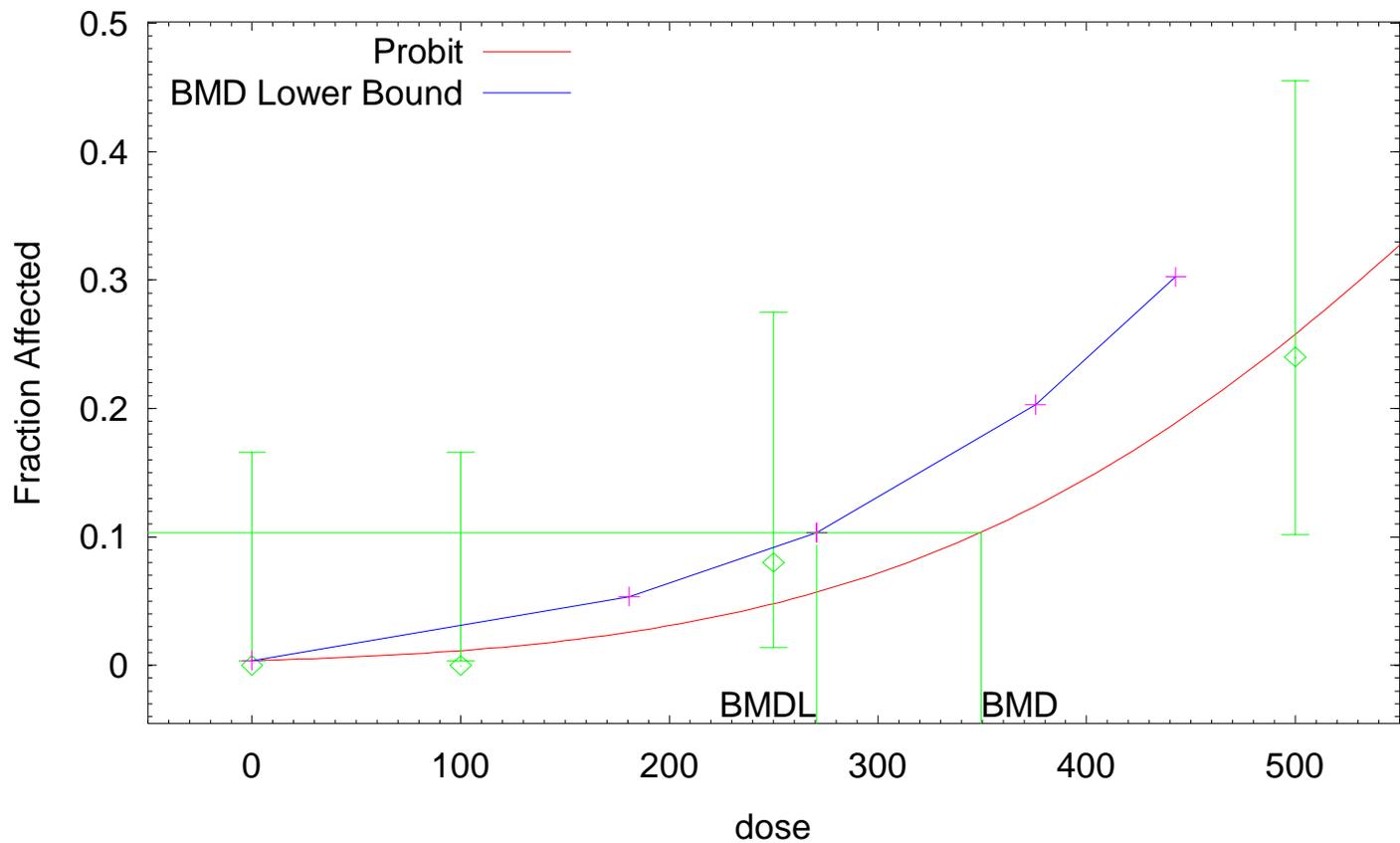


15:20 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Females (Stump 2001)  
Probit Model with 0.95 Confidence Level

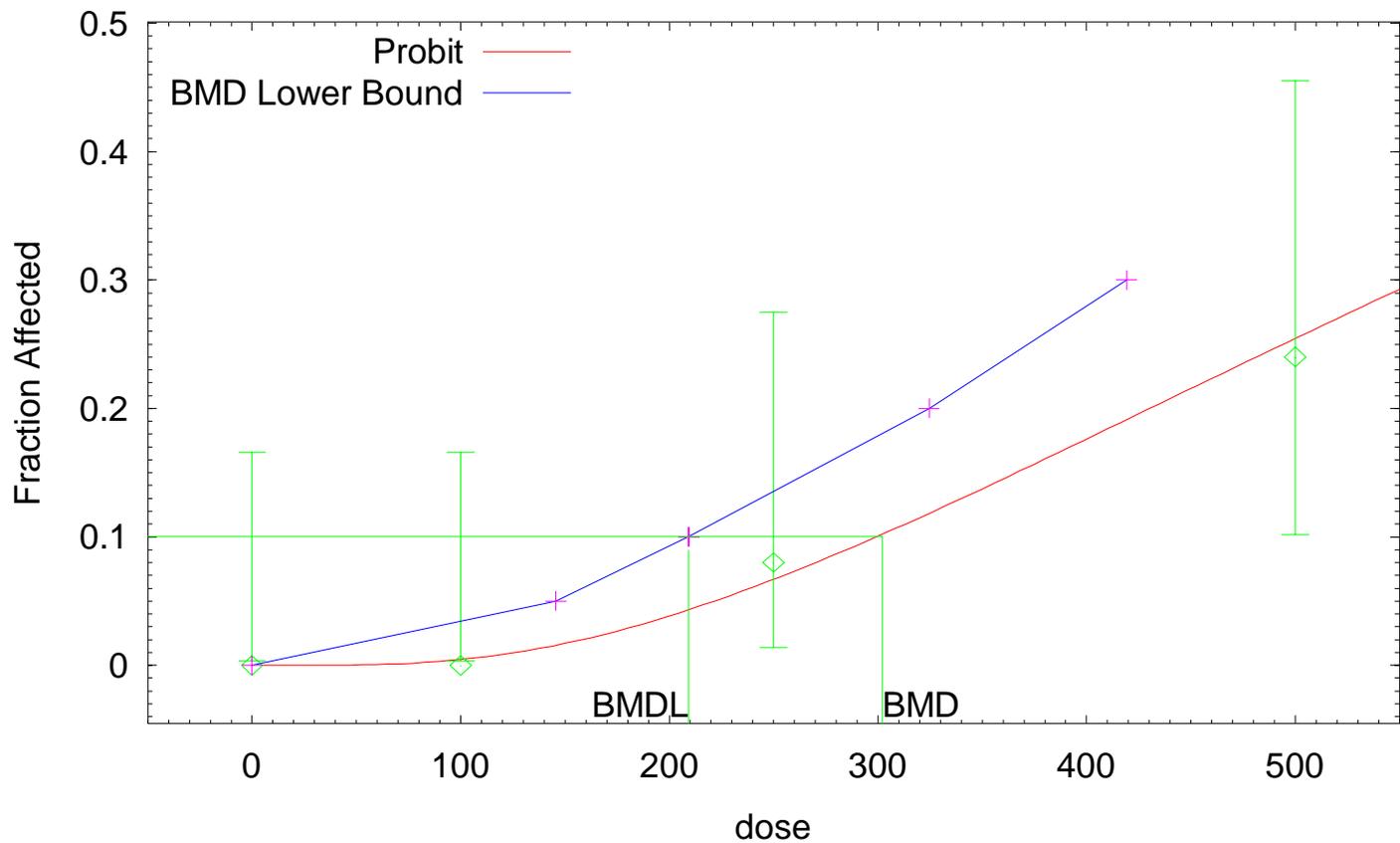


15:20 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Females (Stump 2001)  
Log-Probit Model with 0.95 Confidence Level

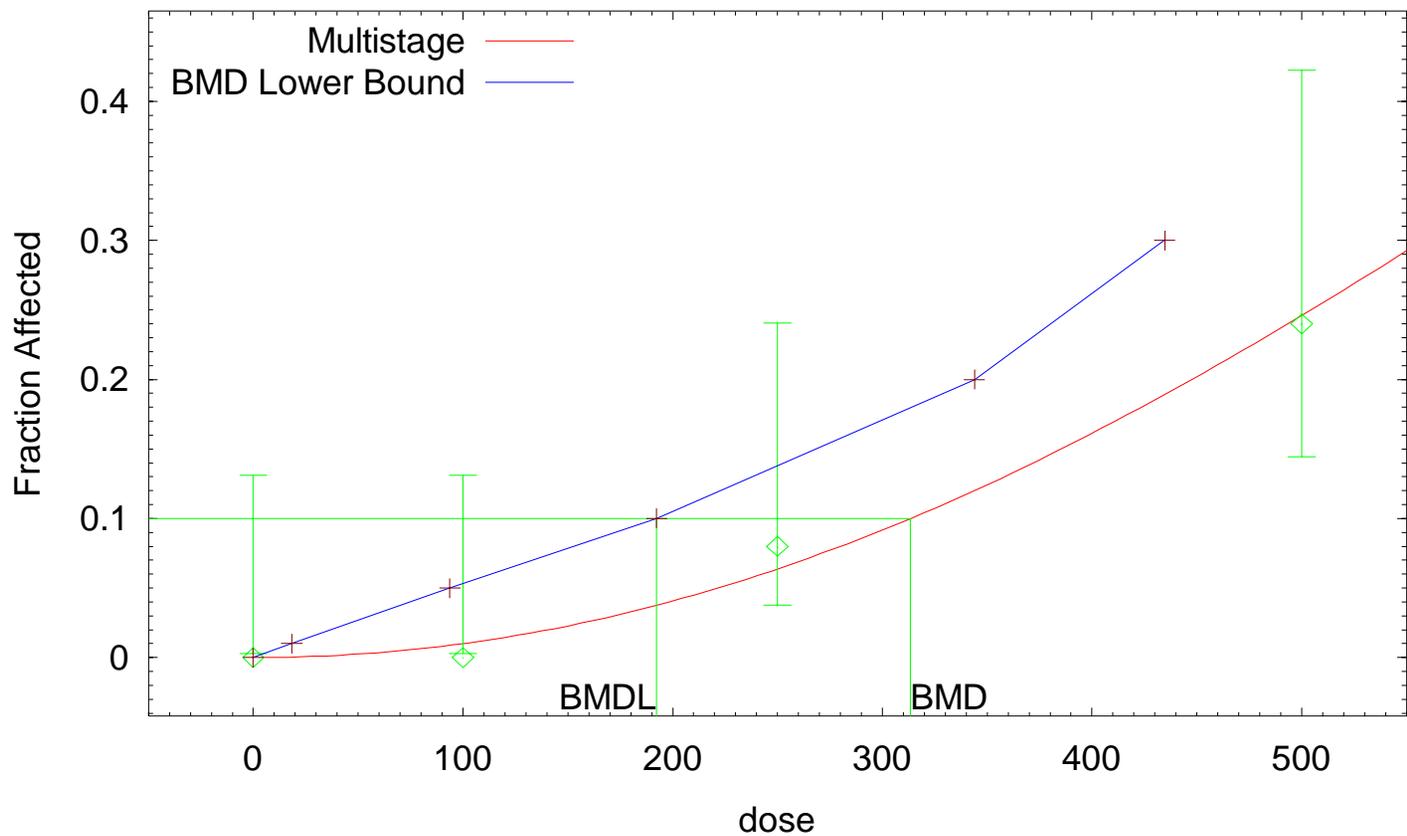


15:21 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Females (Stump 2001)  
Multistage Model with 0.95 Confidence Level

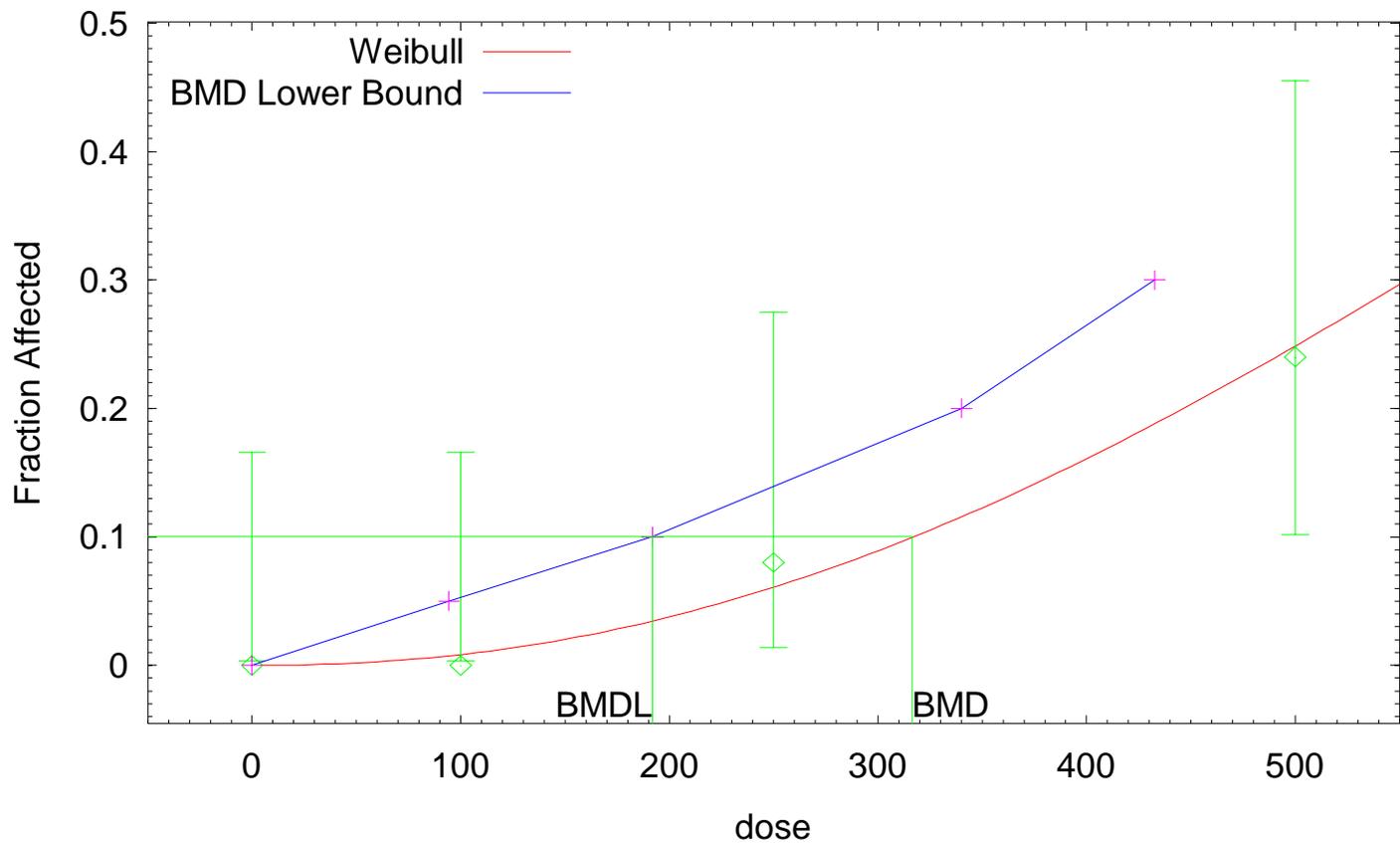


16:01 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Female Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Females (Stump 2001)  
Weibull Model with 0.95 Confidence Level

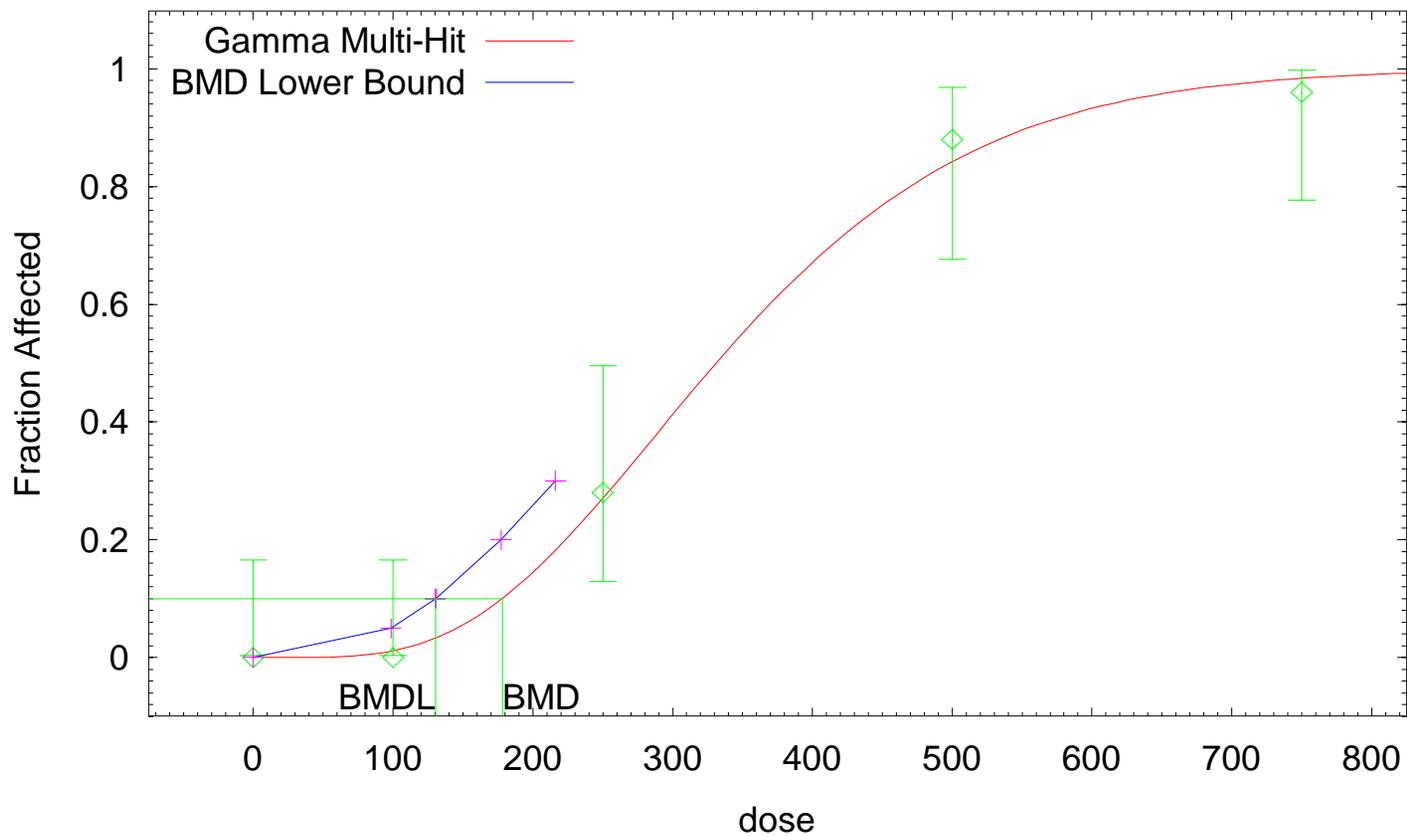


16:03 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Males (Stump 2001)  
Gamma Multi-Hit Model with 0.95 Confidence Level

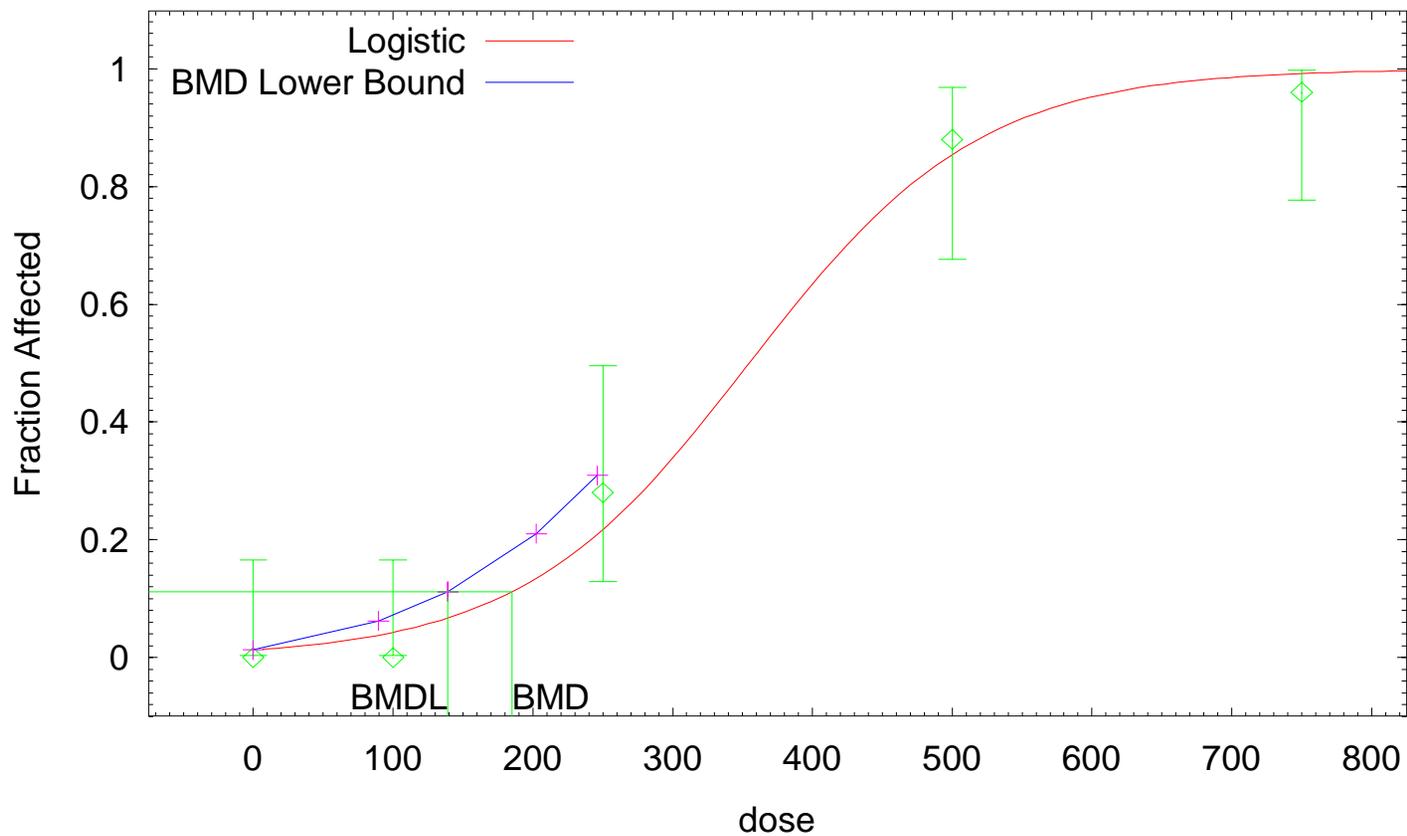


15:22 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Males (Stump 2001)  
Logistic Model with 0.95 Confidence Level

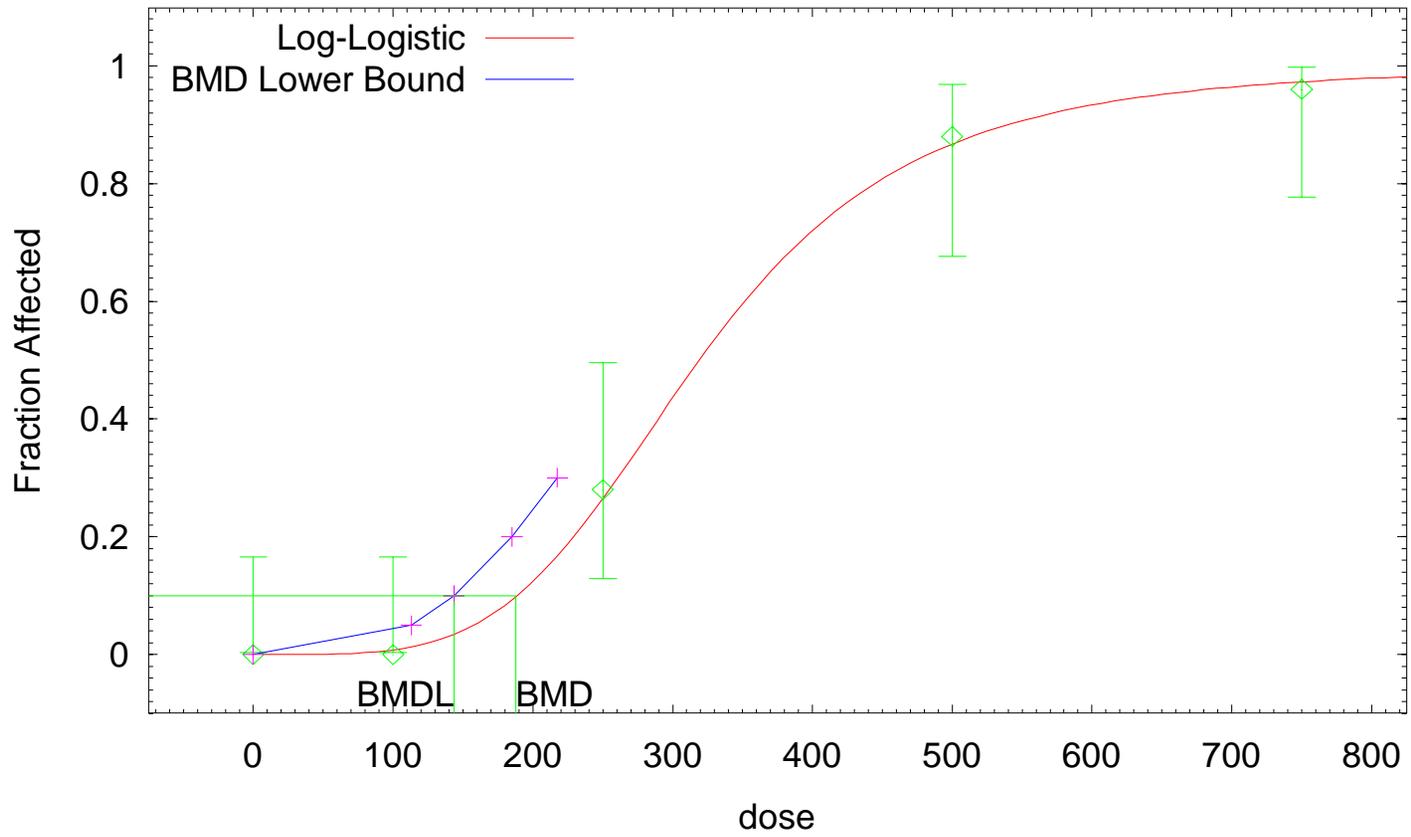


15:22 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Males (Stump 2001)  
Log-Logistic Model with 0.95 Confidence Level

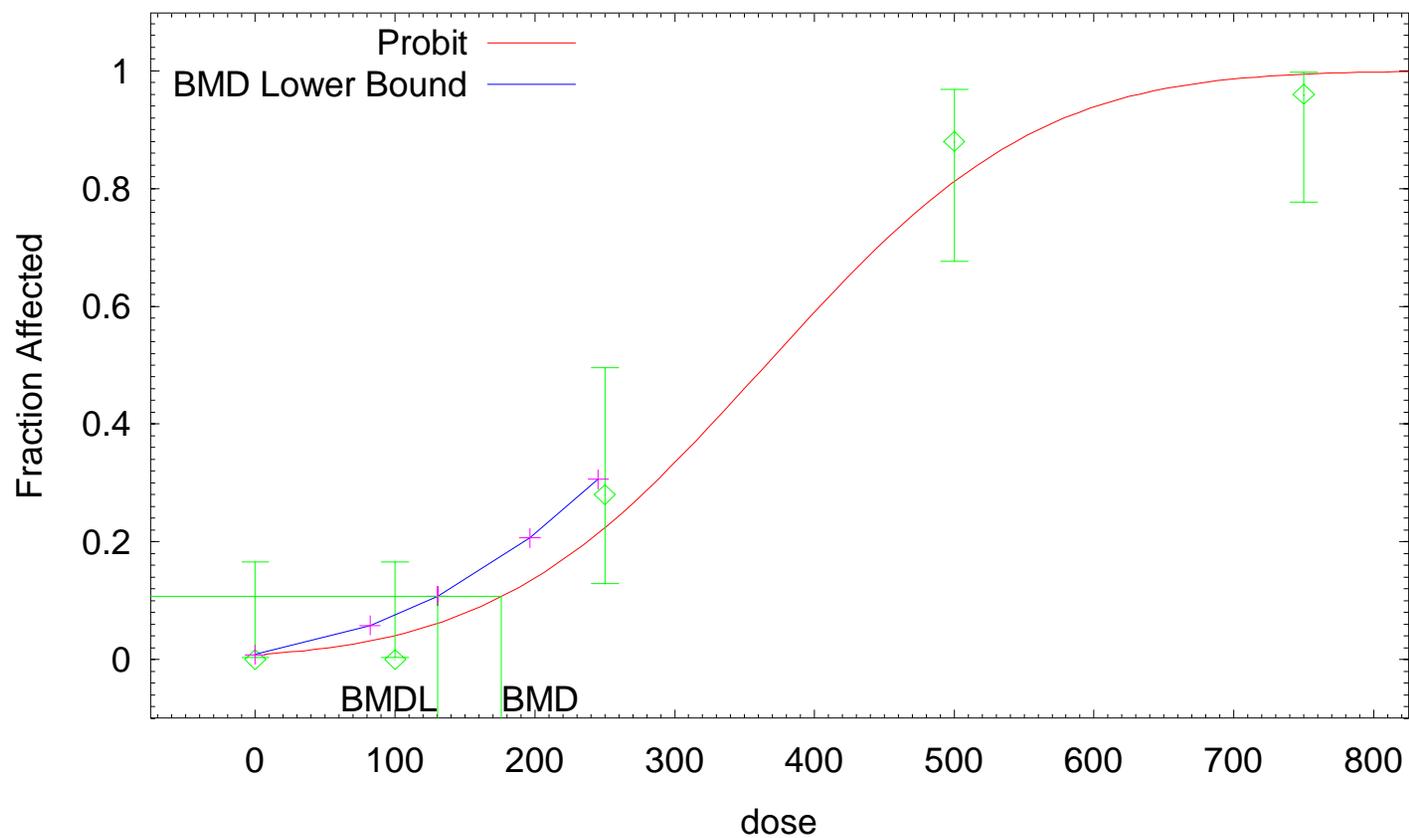


15:23 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Males (Stump 2001)  
Probit Model with 0.95 Confidence Level

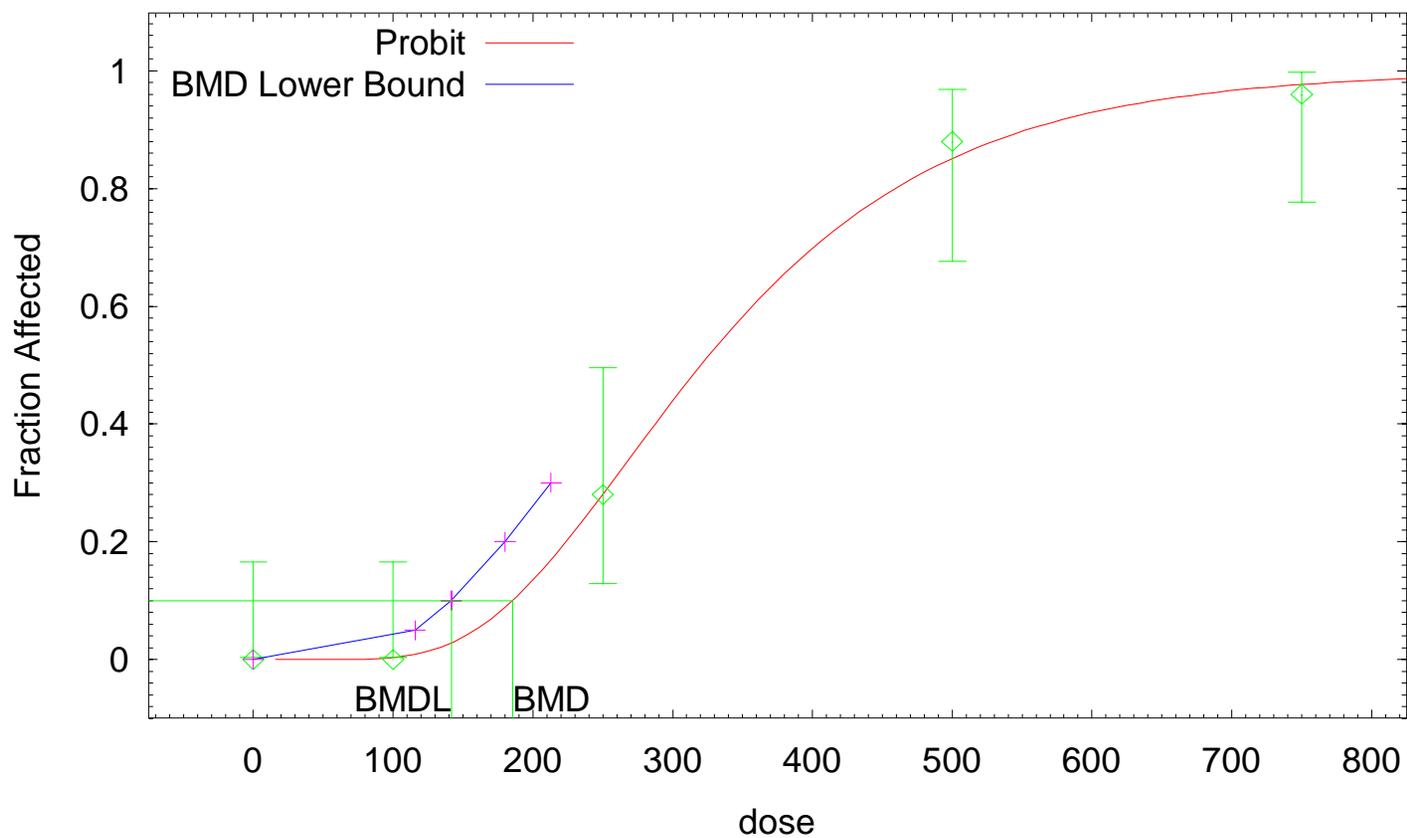


15:23 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Males (Stump 2001)  
Log-Probit Model with 0.95 Confidence Level



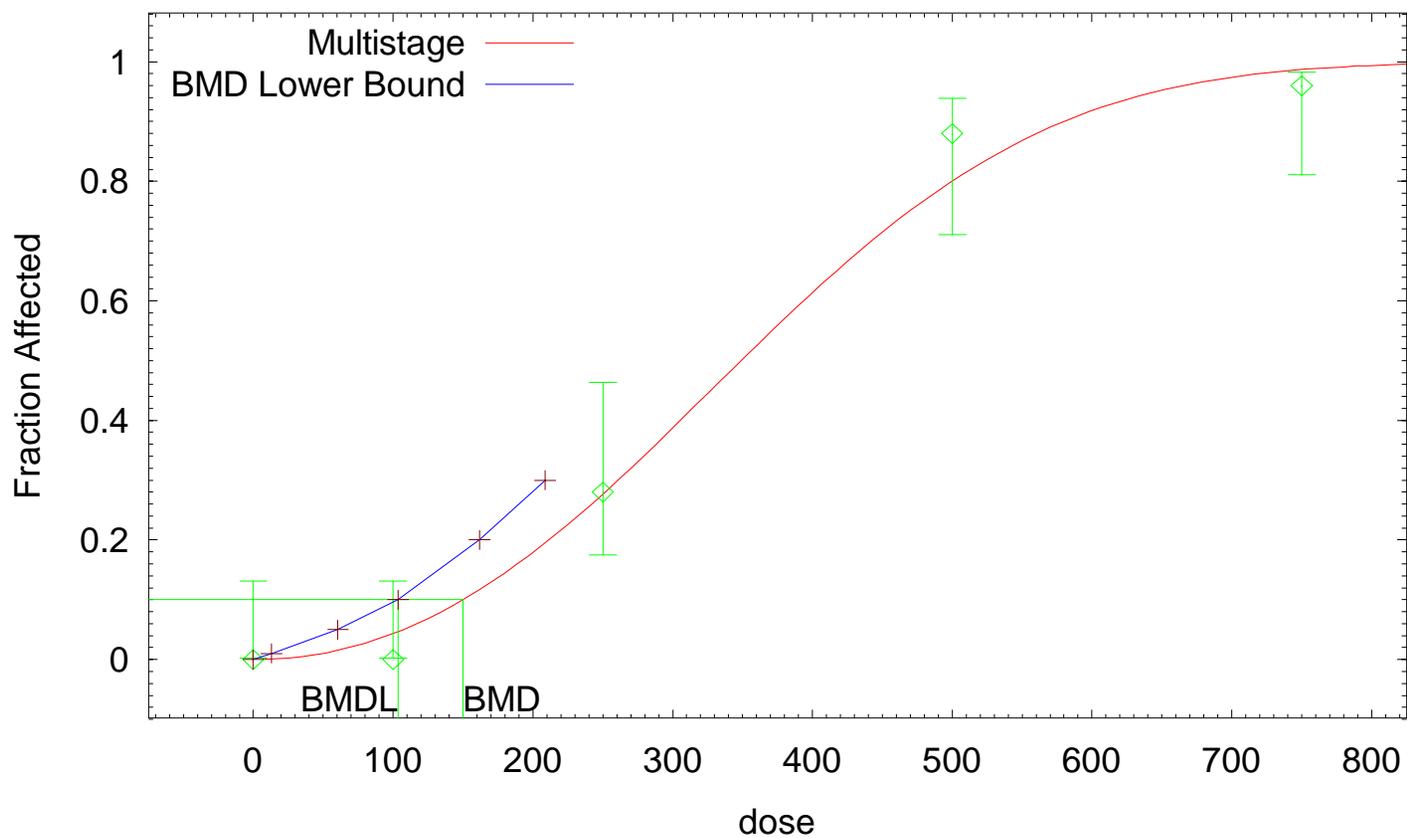
15:24 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

B-20

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Males (Stump 2001)  
Multistage Model with 0.95 Confidence Level



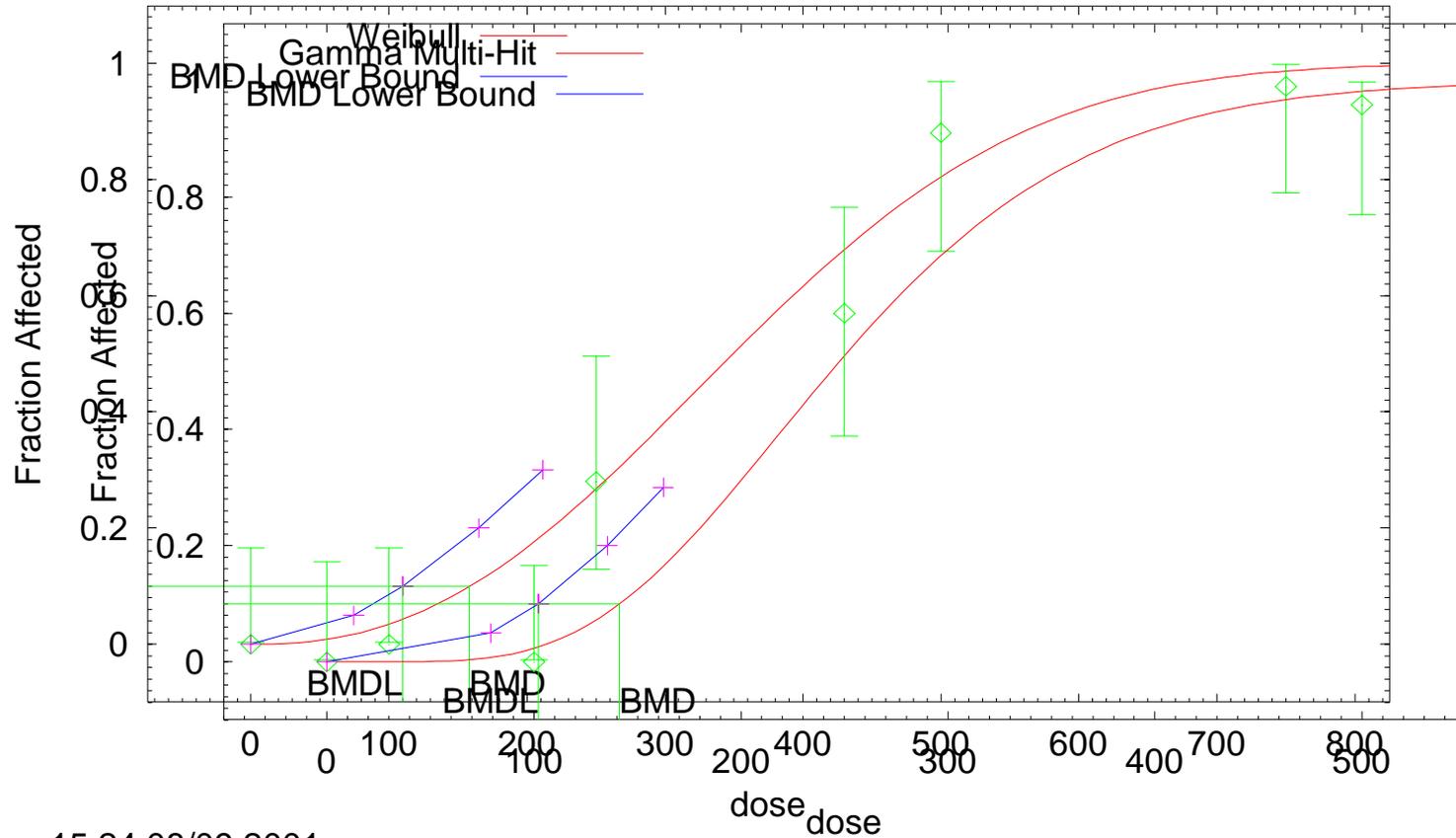
16:05 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

B-21

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F0 Males (Stump 2001)  
Hepatocellular Vacuolation, Centrilobular of F1 Males (Stump 2001)  
Weibull Model with 0.95 Confidence Level  
Gamma Multi-Hit Model with 0.95 Confidence Level



15:24 08/09 2001  
15:47 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

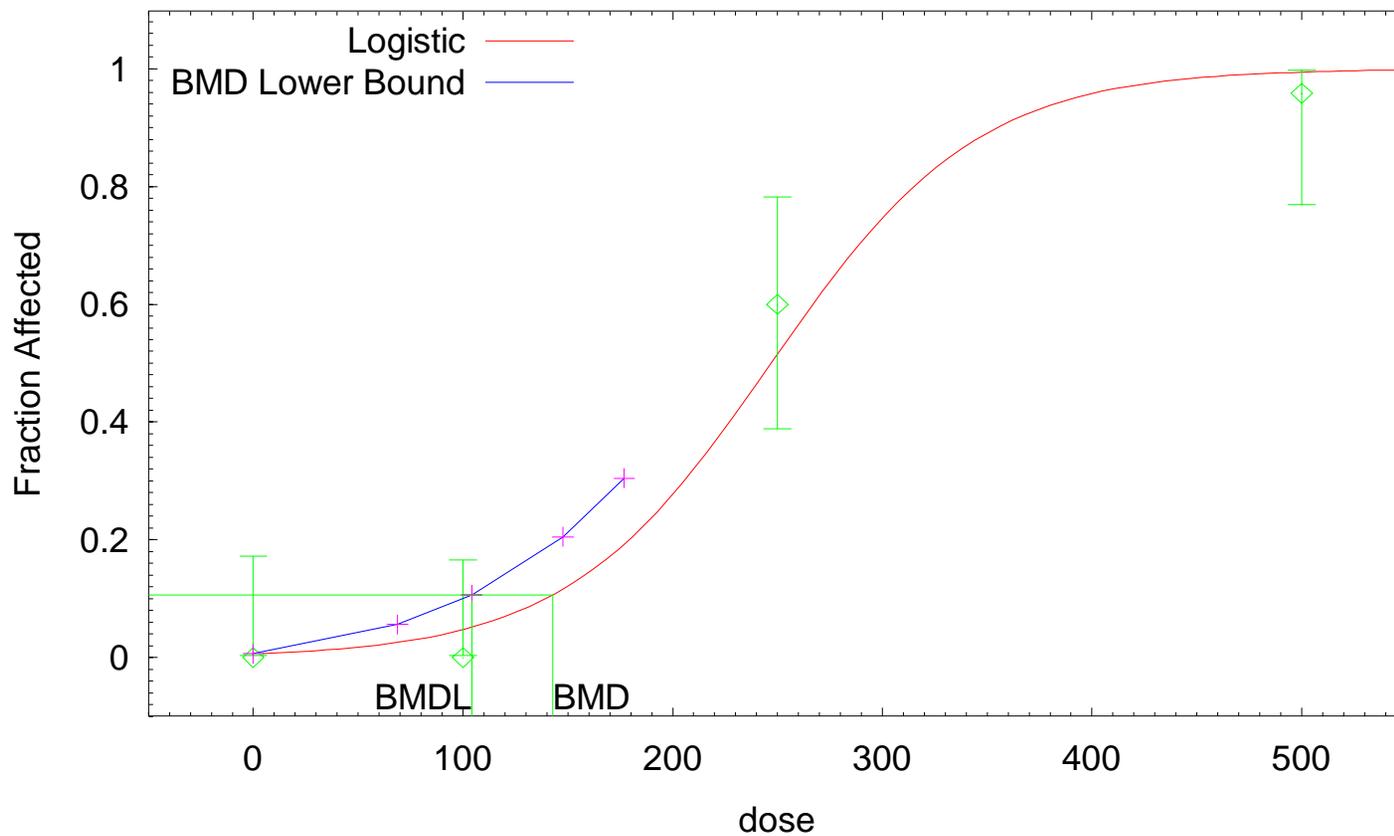
## Male Liver Effects

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

B-23

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Males (Stump 2001)  
Logistic Model with 0.95 Confidence Level

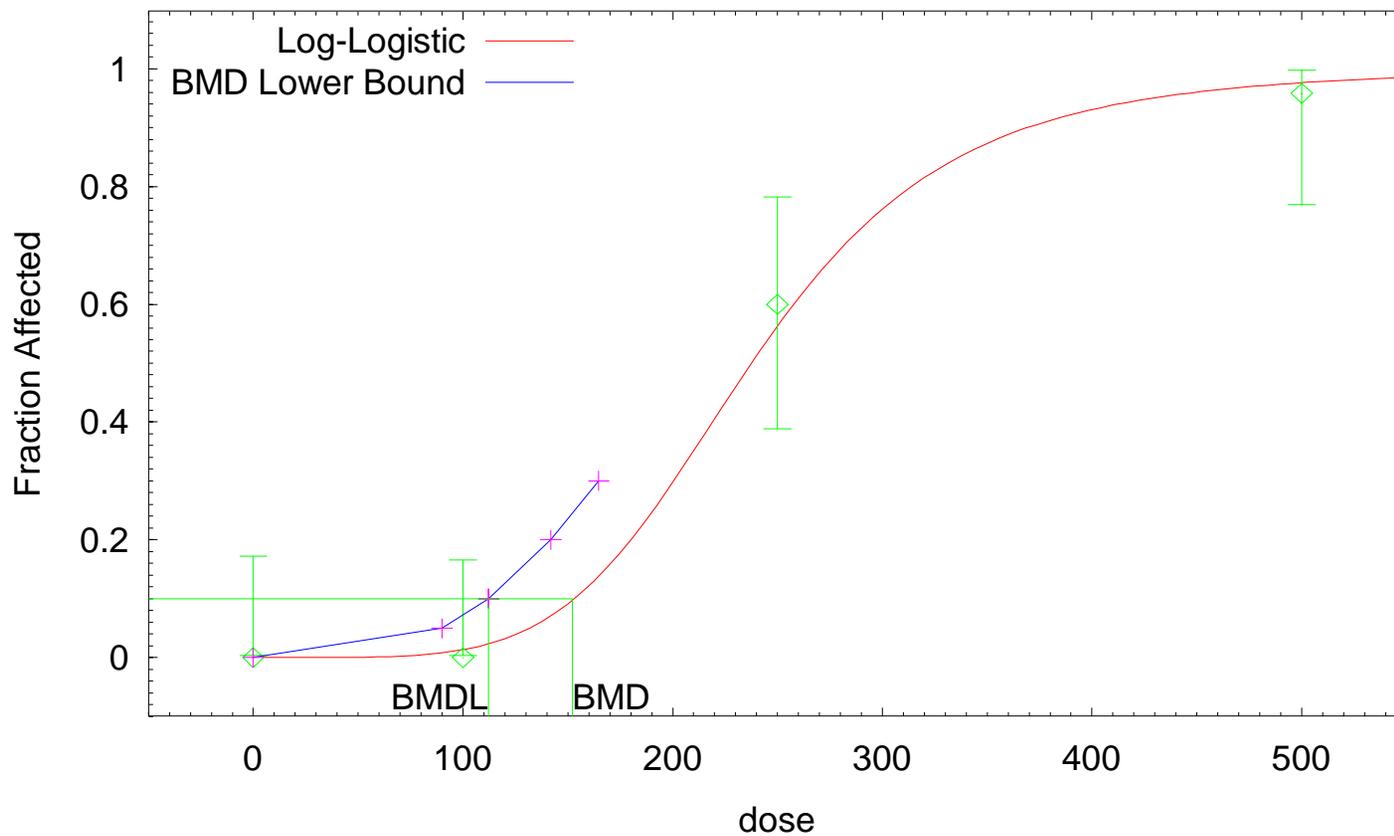


15:25 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Males (Stump 2001)  
Log-Logistic Model with 0.95 Confidence Level

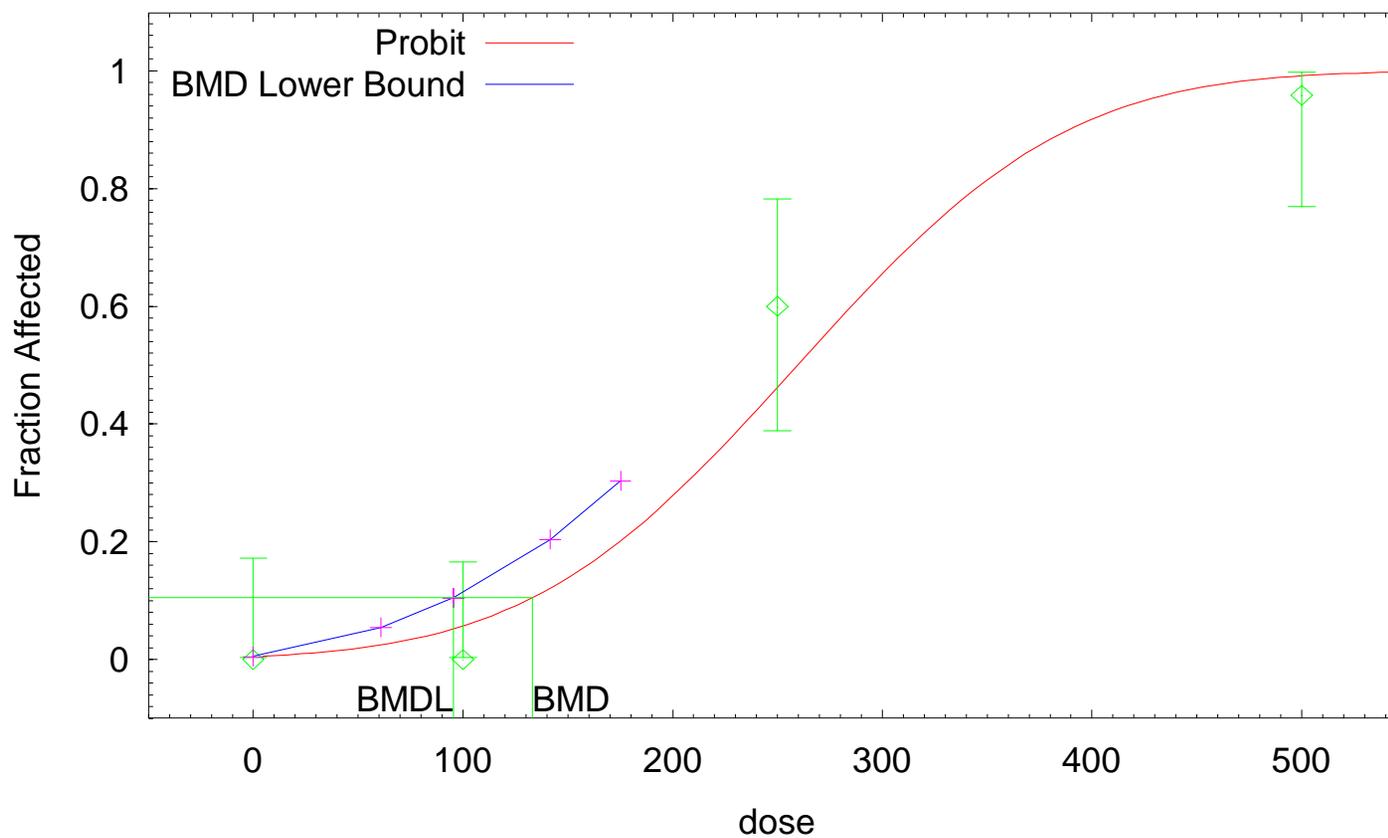


15:26 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Males (Stump 2001)  
Probit Model with 0.95 Confidence Level

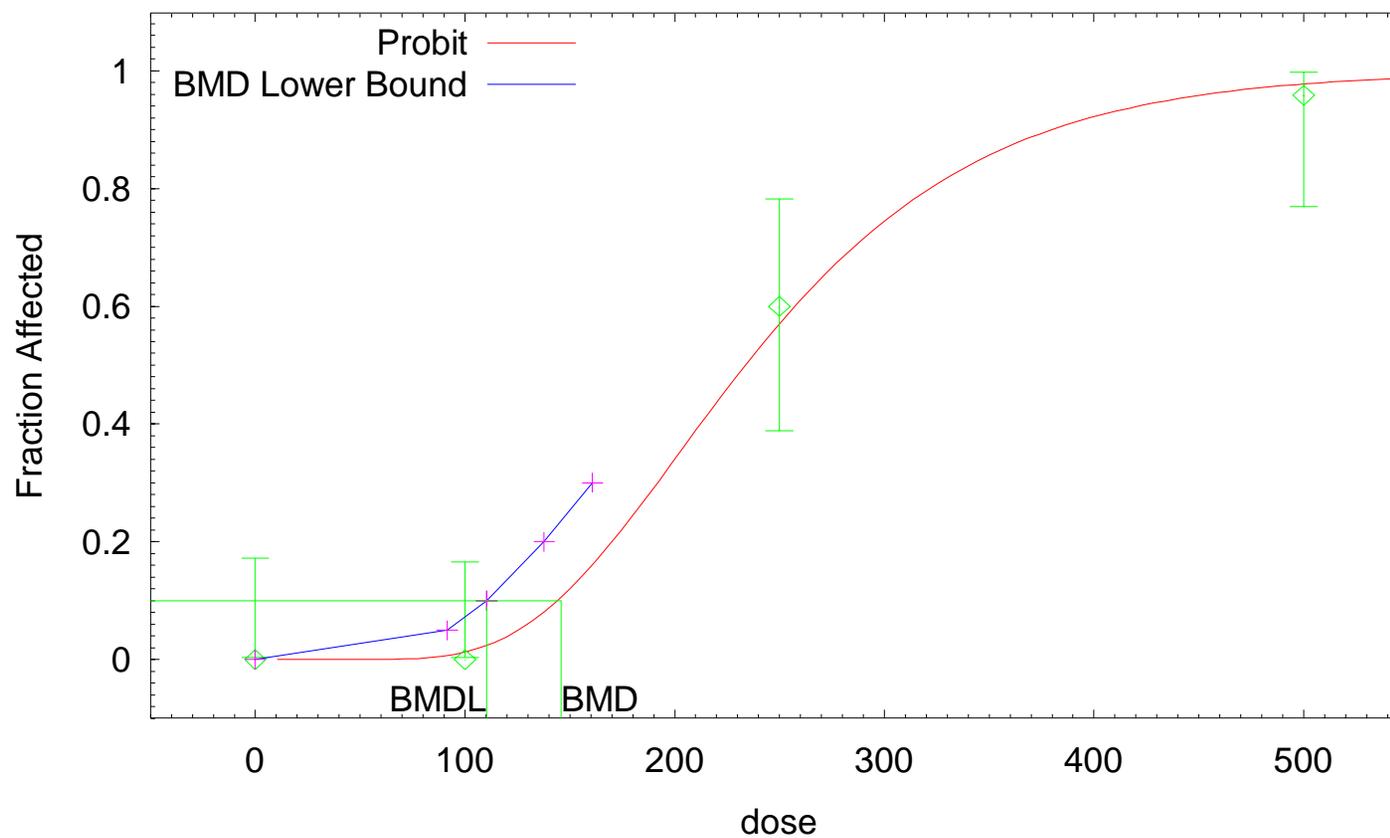


15:26 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Males (Stump 2001)  
Log-Probit Model with 0.95 Confidence Level



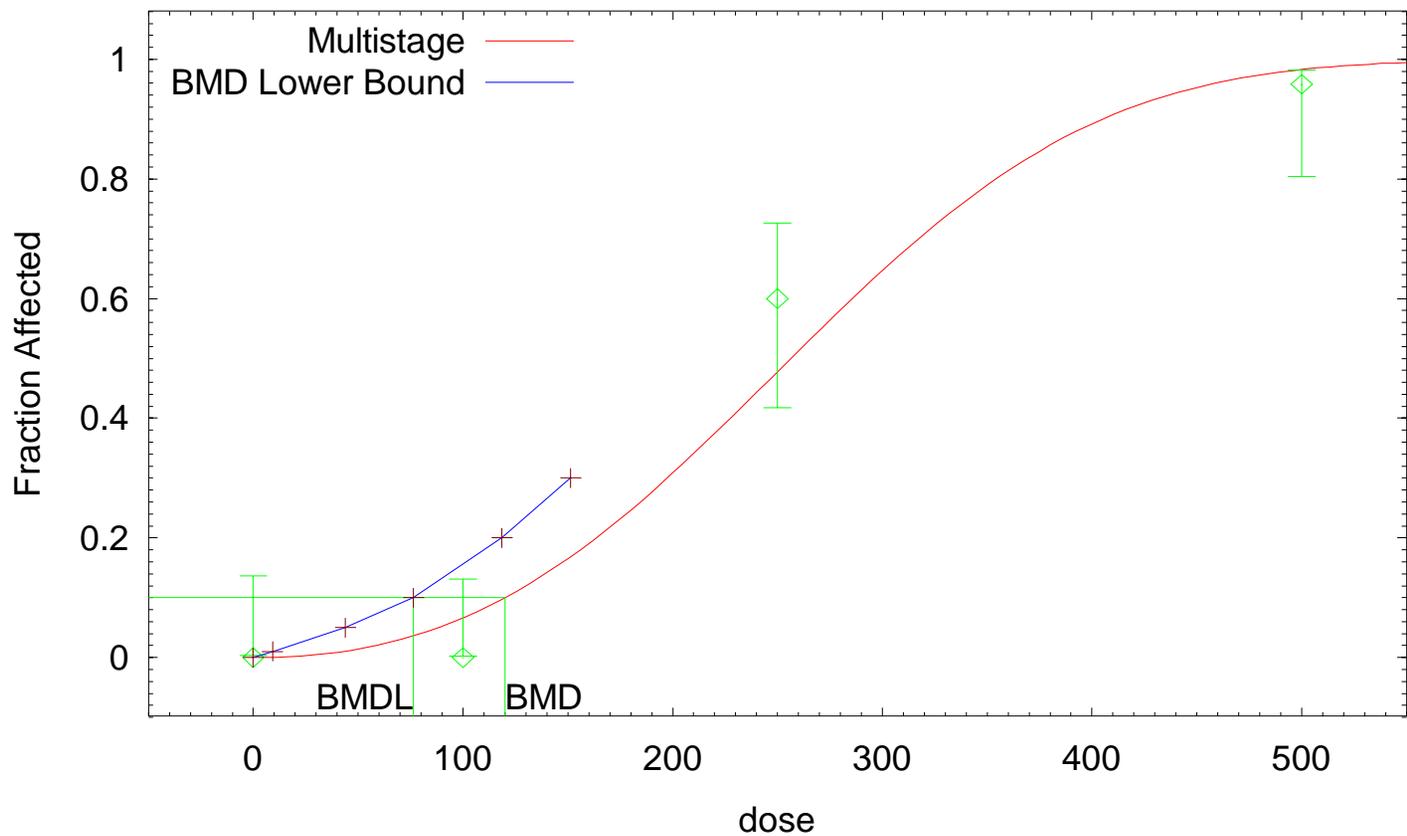
15:27 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

B-27

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Males (Stump 2001)  
Multistage Model with 0.95 Confidence Level

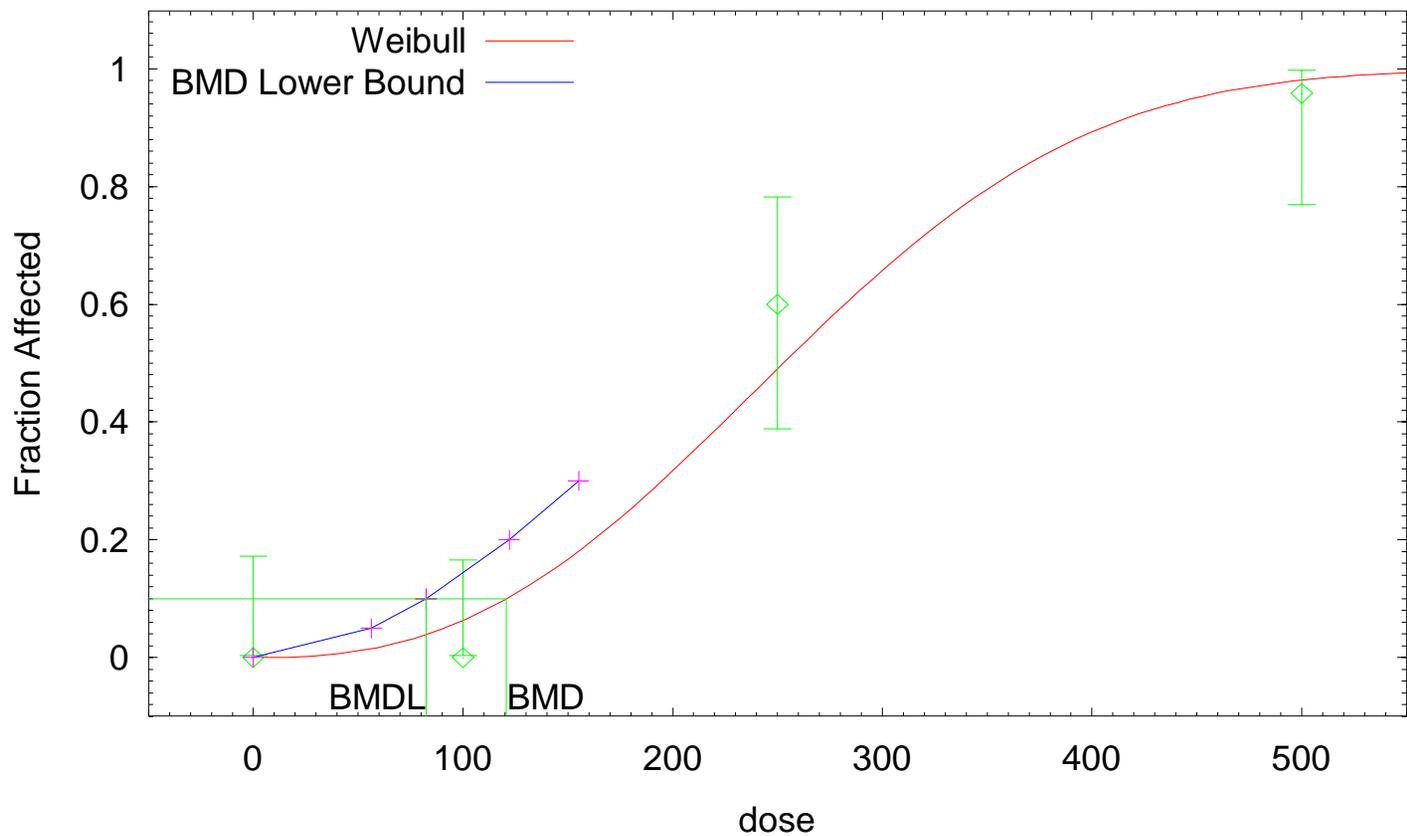


16:06 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Male Liver Effects

Hepatocellular Vacuolation, Centrilobular of F1 Males (Stump 2001)  
Weibull Model with 0.95 Confidence Level

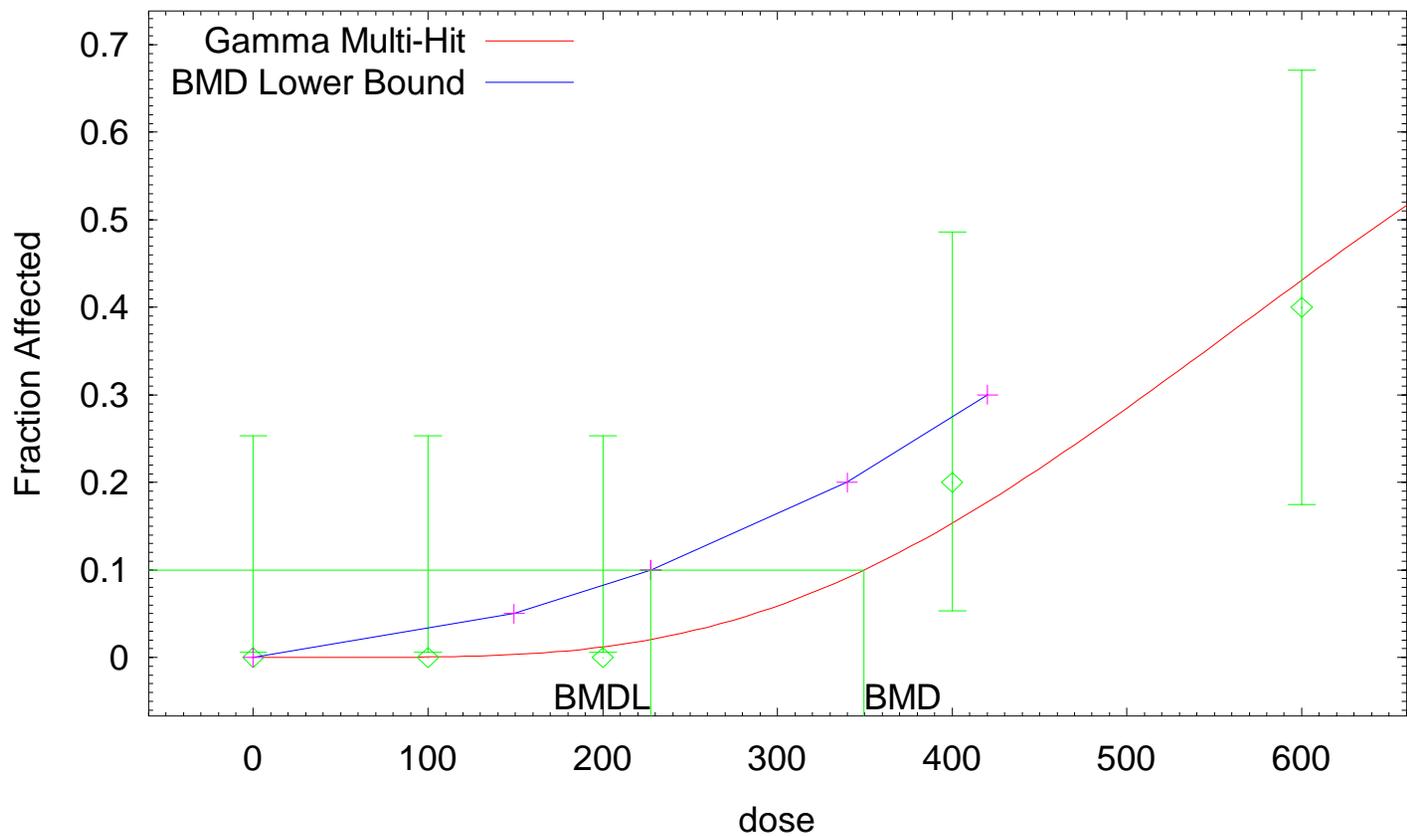


15:46 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

90-Day Clinical Trial - Liver Effects

Male Hepatocellular Centrilobular Vacuolation (ClinTrial 1997b)  
Gamma Multi-Hit Model with 0.95 Confidence Level

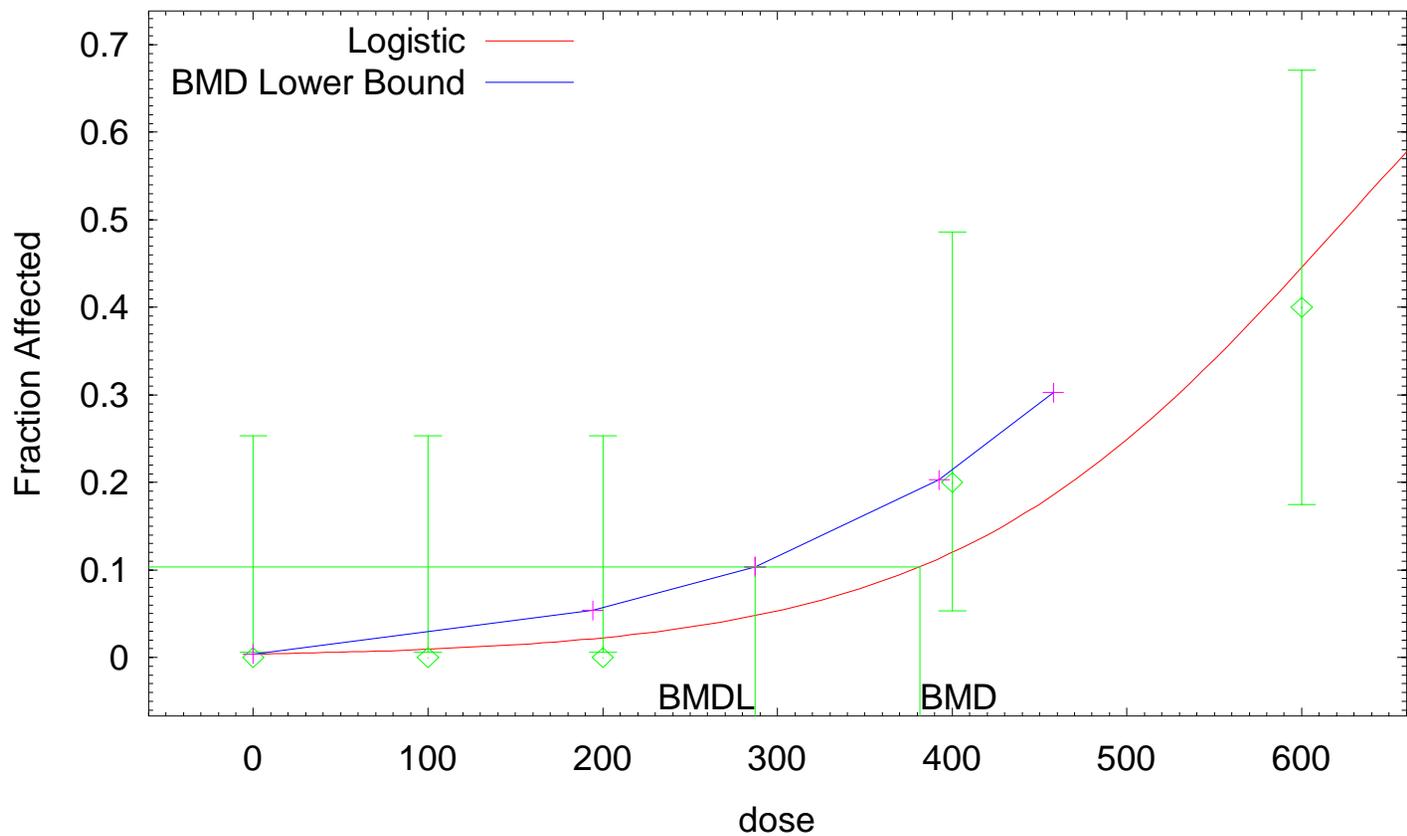


10:21 08/21 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

90-Day Clinical Trial - Liver Effects

Male Hepatocellular Centrilobular Vacuolation (ClinTrial 1997b)  
Logistic Model with 0.95 Confidence Level

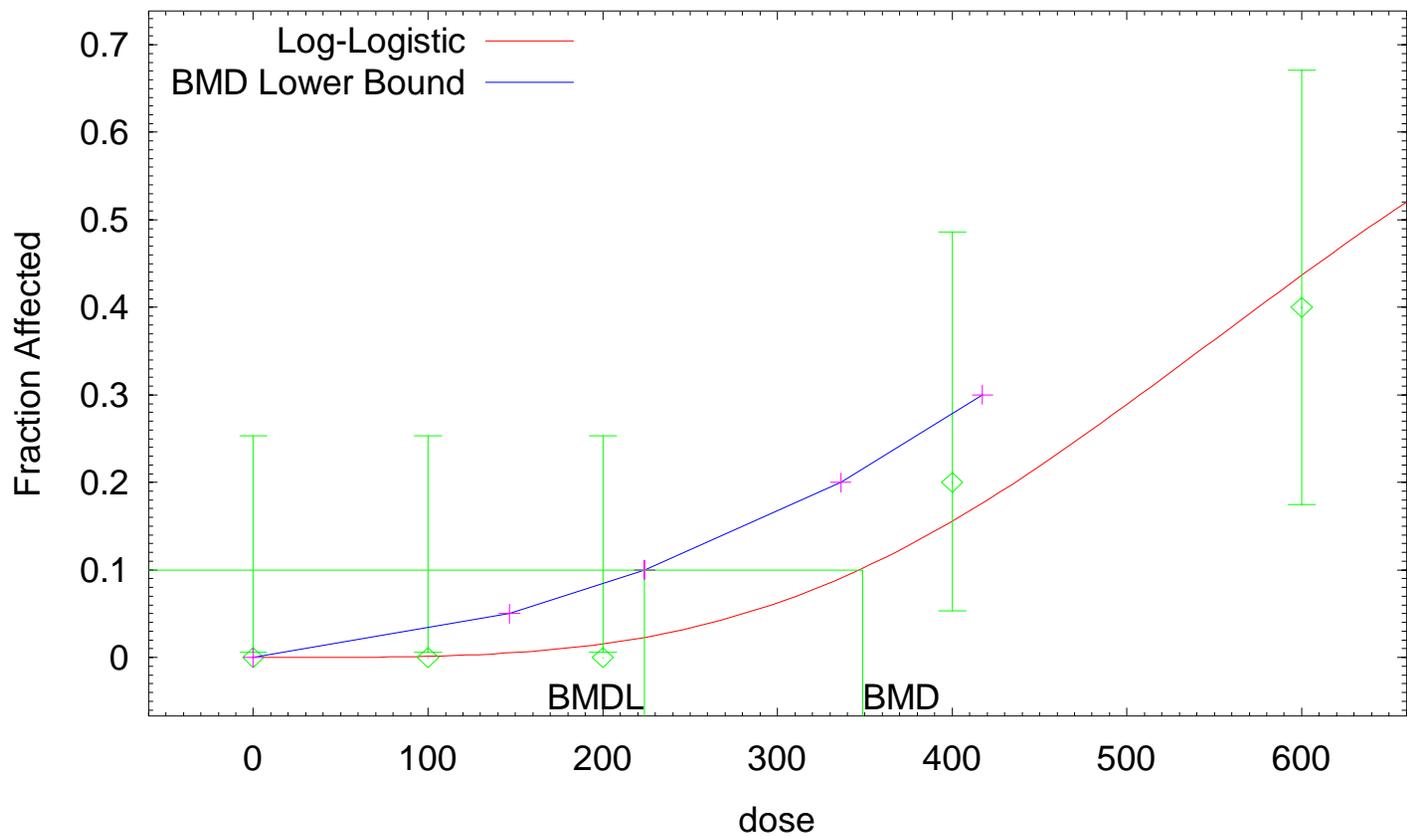


10:23 08/21 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

90-Day Clinical Trial - Liver Effects

Male Hepatocellular Centrilobular Vacuolation (ClinTrial 1997b)  
Log-Logistic Model with 0.95 Confidence Level

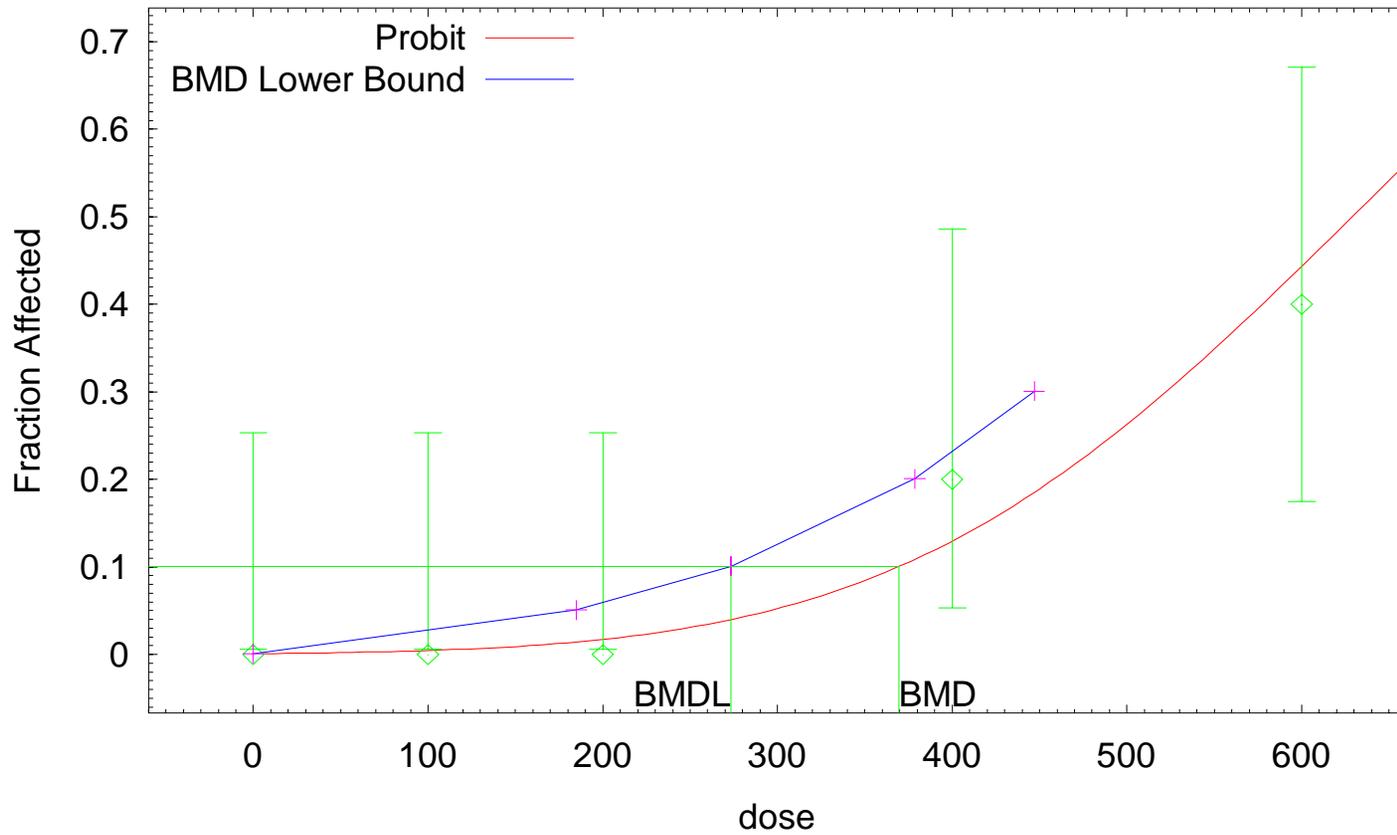


10:24 08/21 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

90-Day Clinical Trial - Liver Effects

Male Hepatocellular Centrilobular Vacuolation (ClinTrial 1997b)  
Probit Model with 0.95 Confidence Level

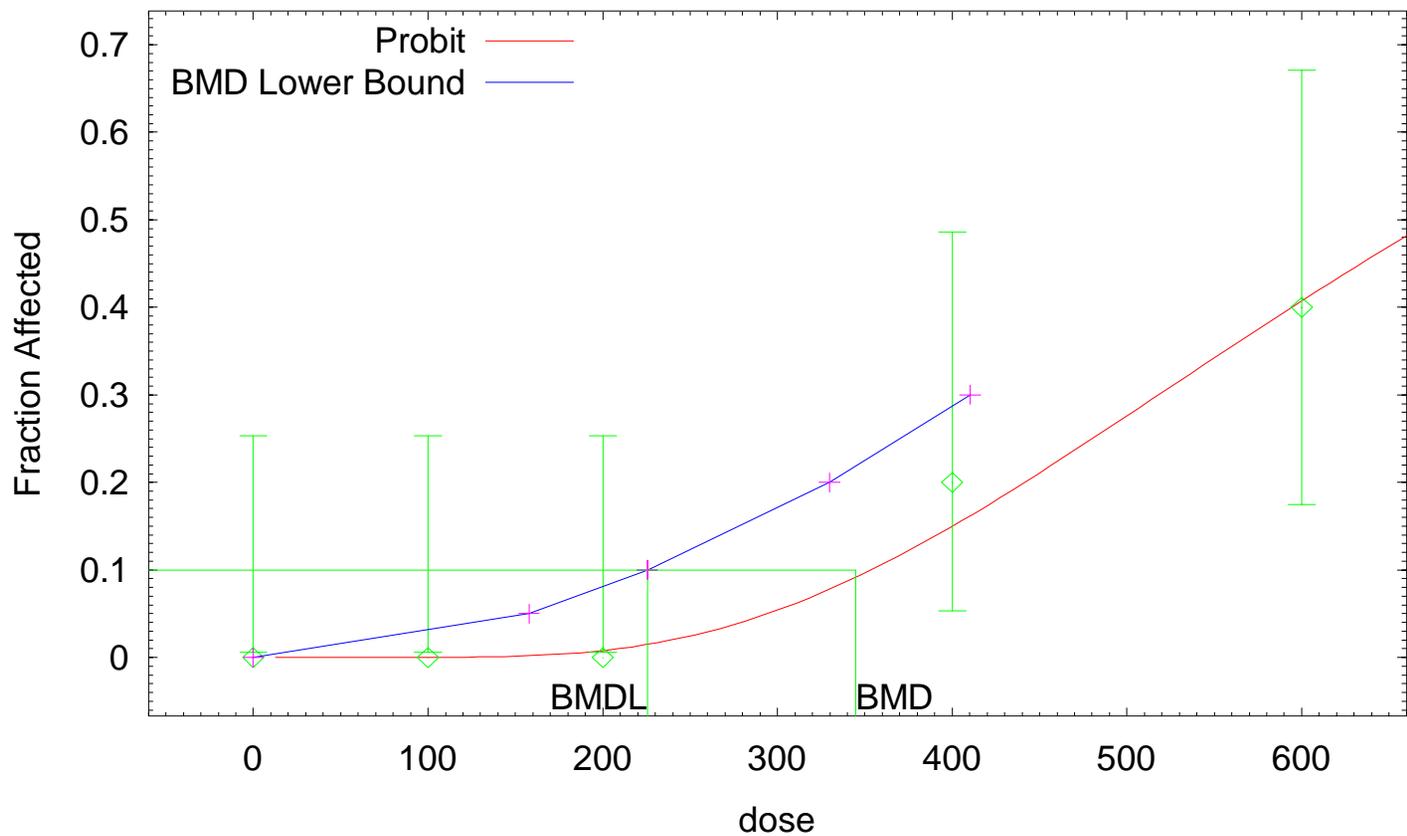


10:24 08/21 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

90-Day Clinical Trial - Liver Effects

Male Hepatocellular Centrilobular Vacuolation (ClinTrial 1997b)  
Log-Probit Model with 0.95 Confidence Level

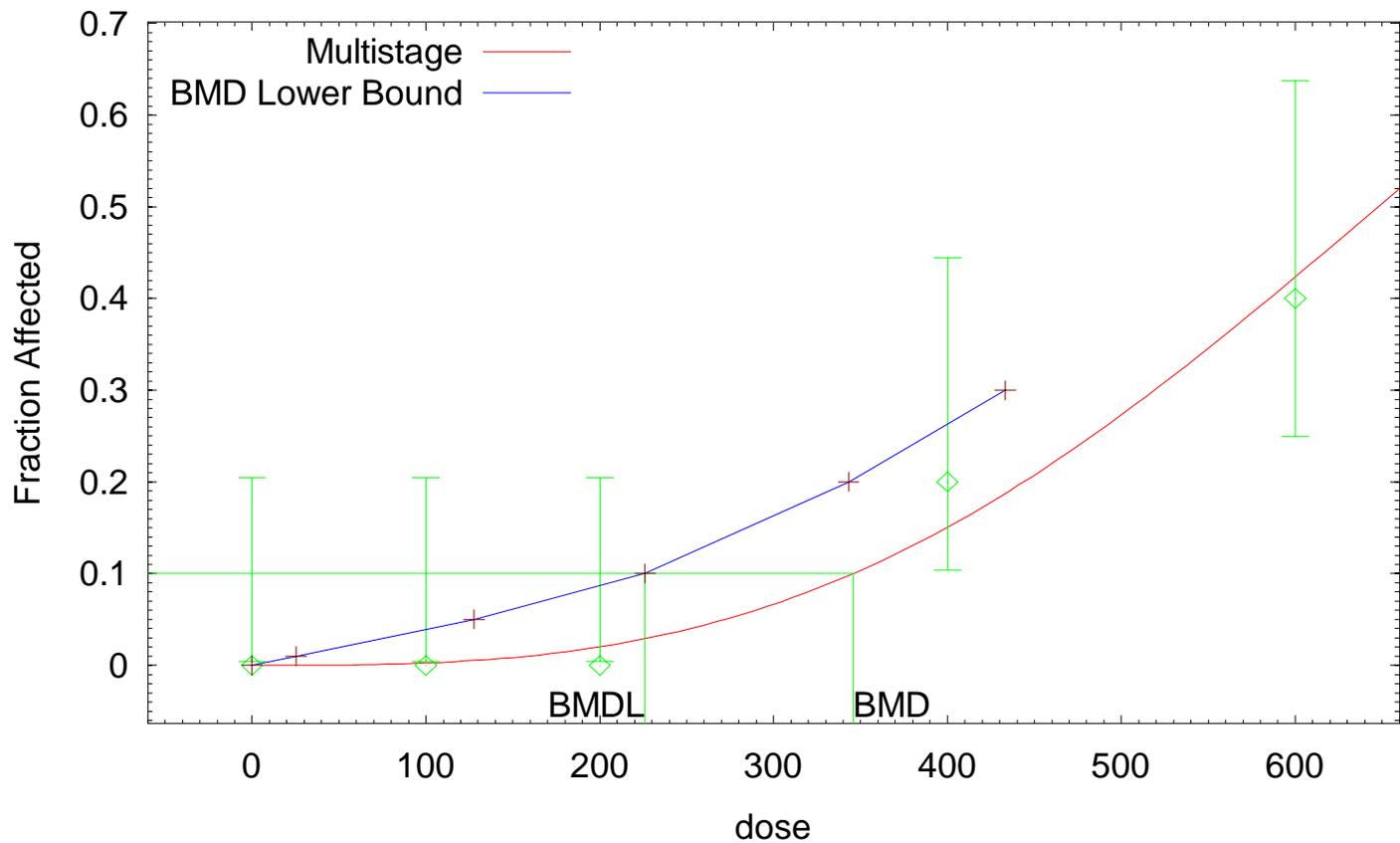


10:24 08/21 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

90-Day Clinical Trial - Liver Effects

Male Hepatocellular Centrilobular Vacuolation (ClinTrial 1997b)  
Multistage Model with 0.95 Confidence Level

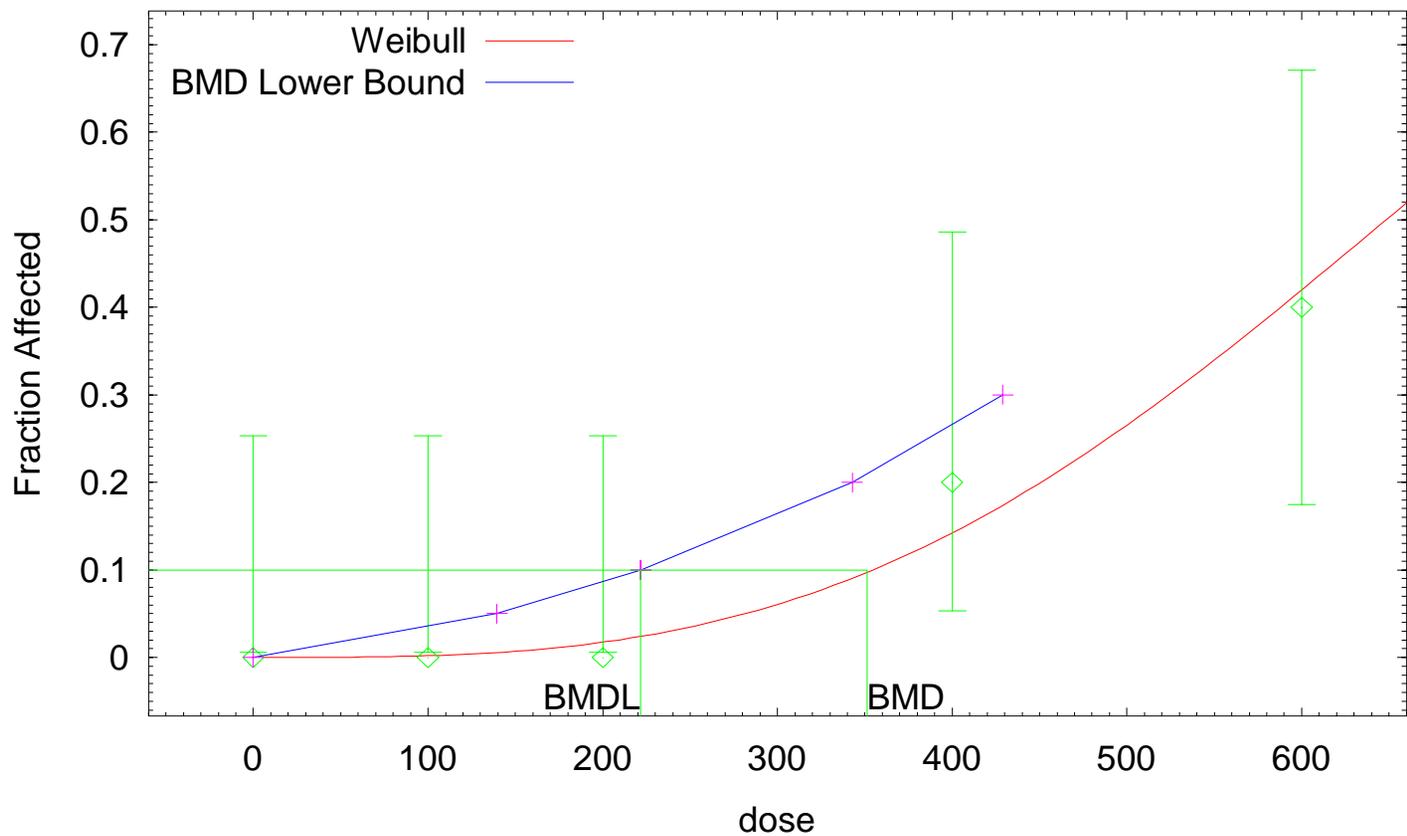


10:25 08/21 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

90-Day Clinical Trial - Liver Effects

Male Hepatocellular Centrilobular Vacuolation (ClinTrial 1997b)  
Weibull Model with 0.95 Confidence Level

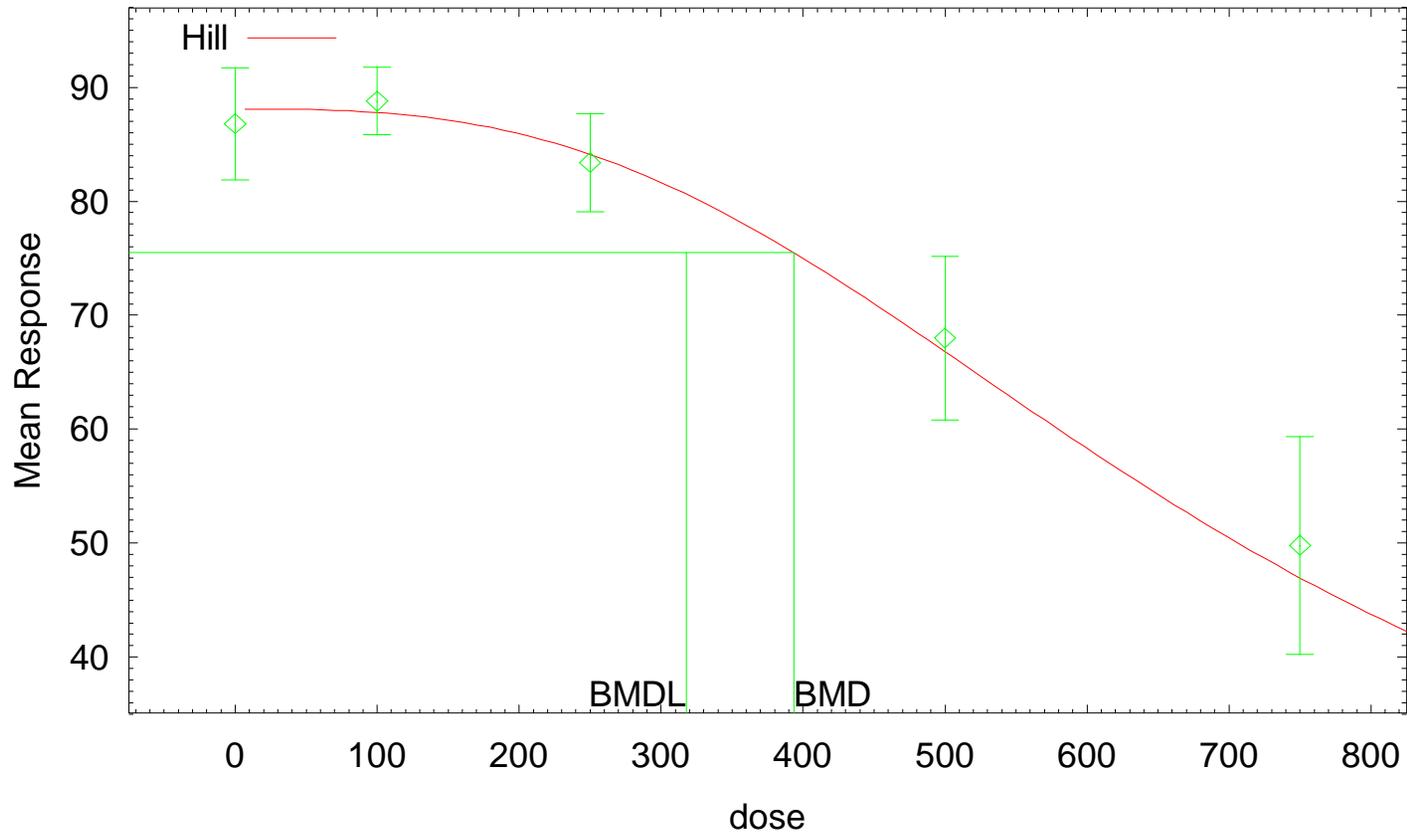


10:26 08/21 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Spermatogenic Effects

F0 Males Sperm Motility (Stump 2001)  
Hill Model with 0.95 Confidence Level

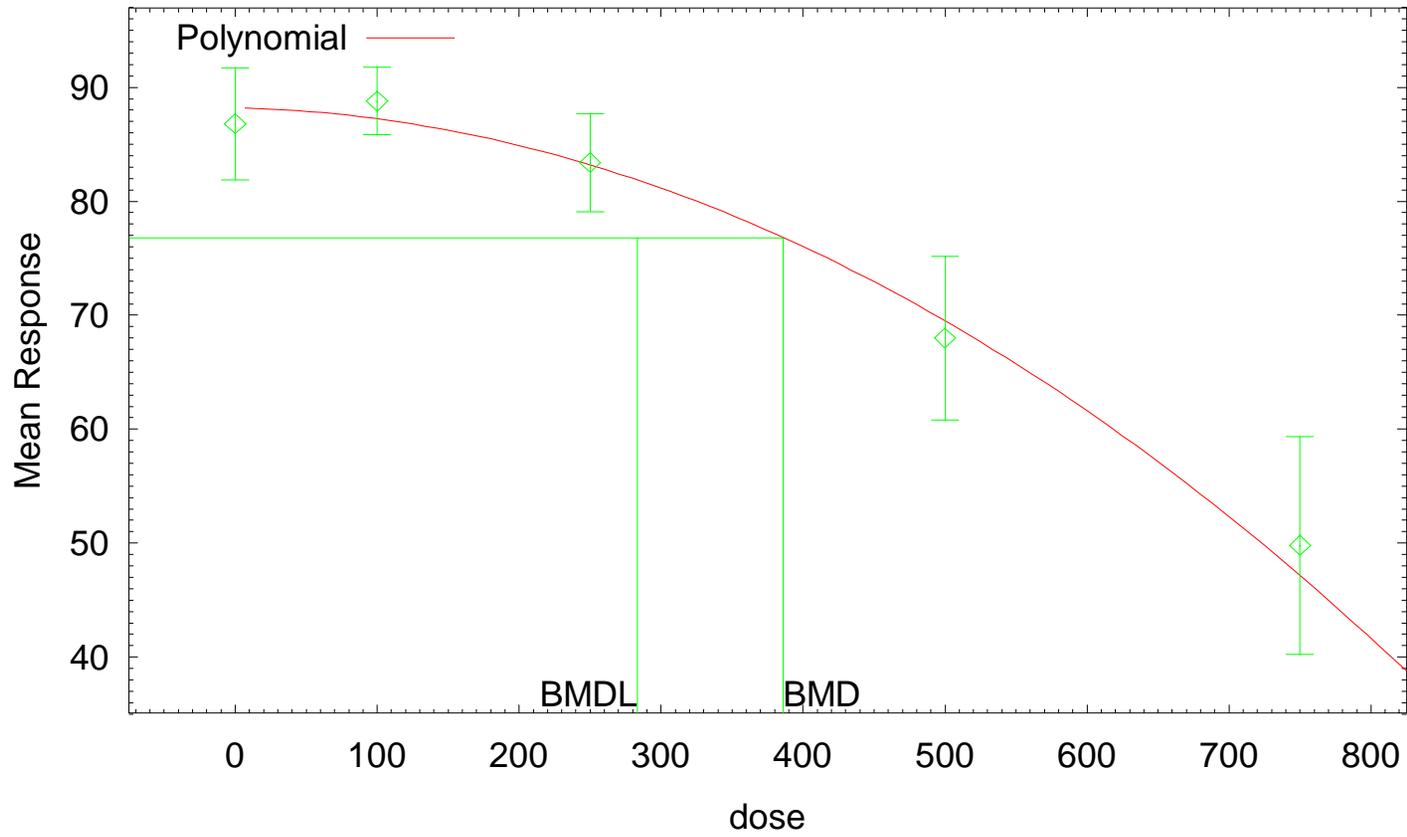


15:36 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Spermatogenic Effects

F0 Males Sperm Motility (Stump 2001)  
Polynomial Model with 0.95 Confidence Level

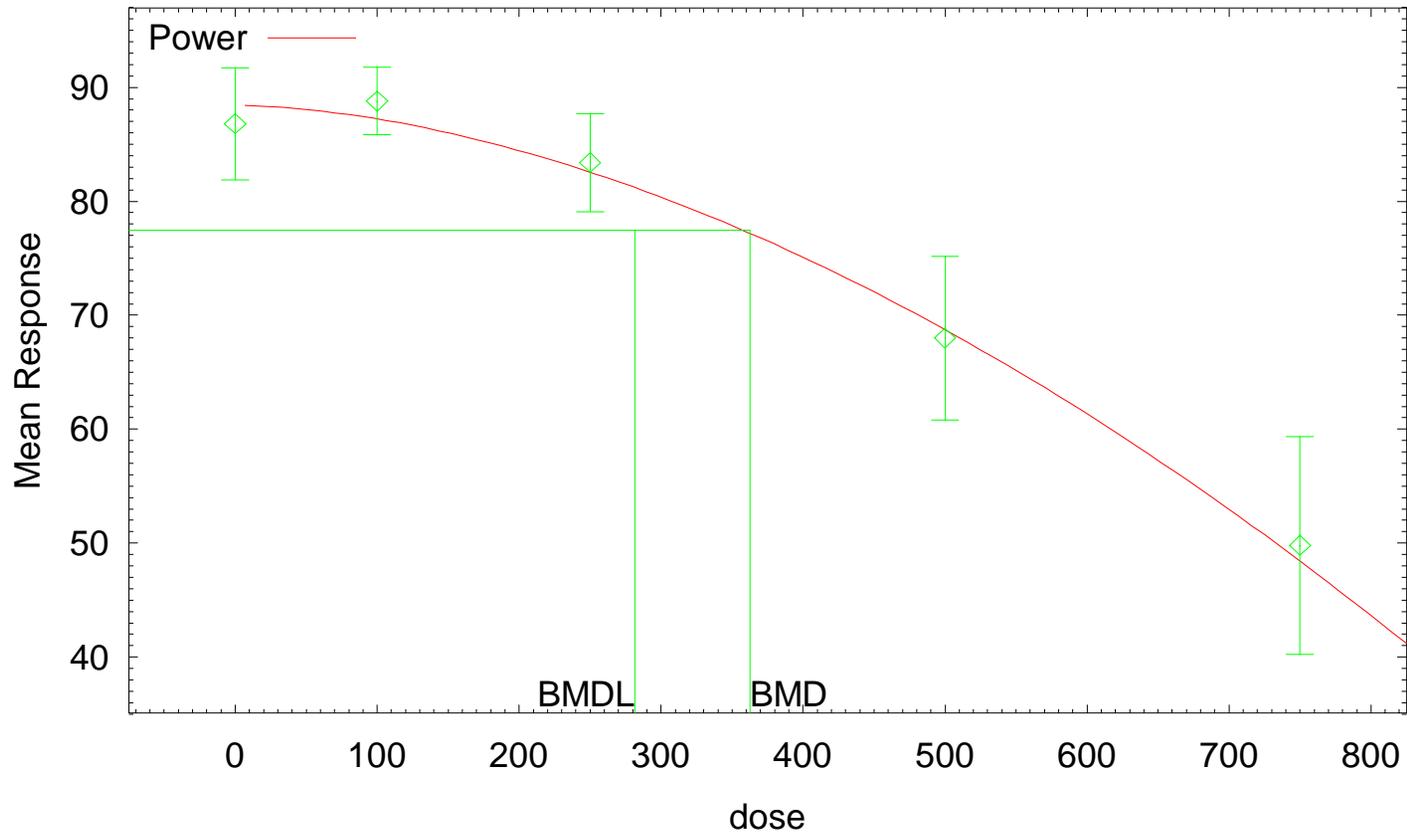


16:09 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Spermatogenic Effects

F0 Males Sperm Motility (Stump 2001)  
Power Model with 0.95 Confidence Level

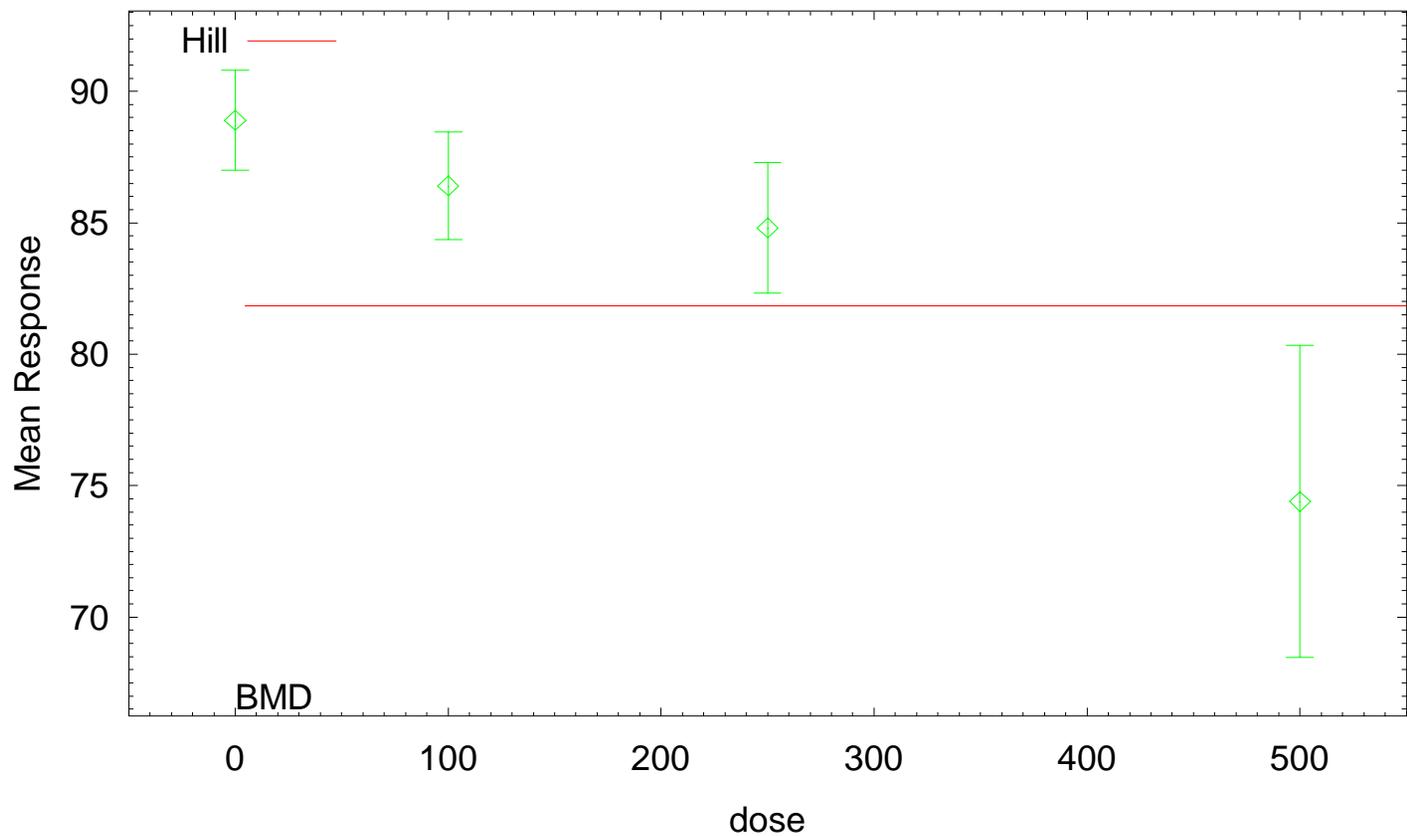


16:09 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Spermatogenic Effects

F1 Males Sperm Motility (Stump 2001)  
Hill Model with 0.95 Confidence Level

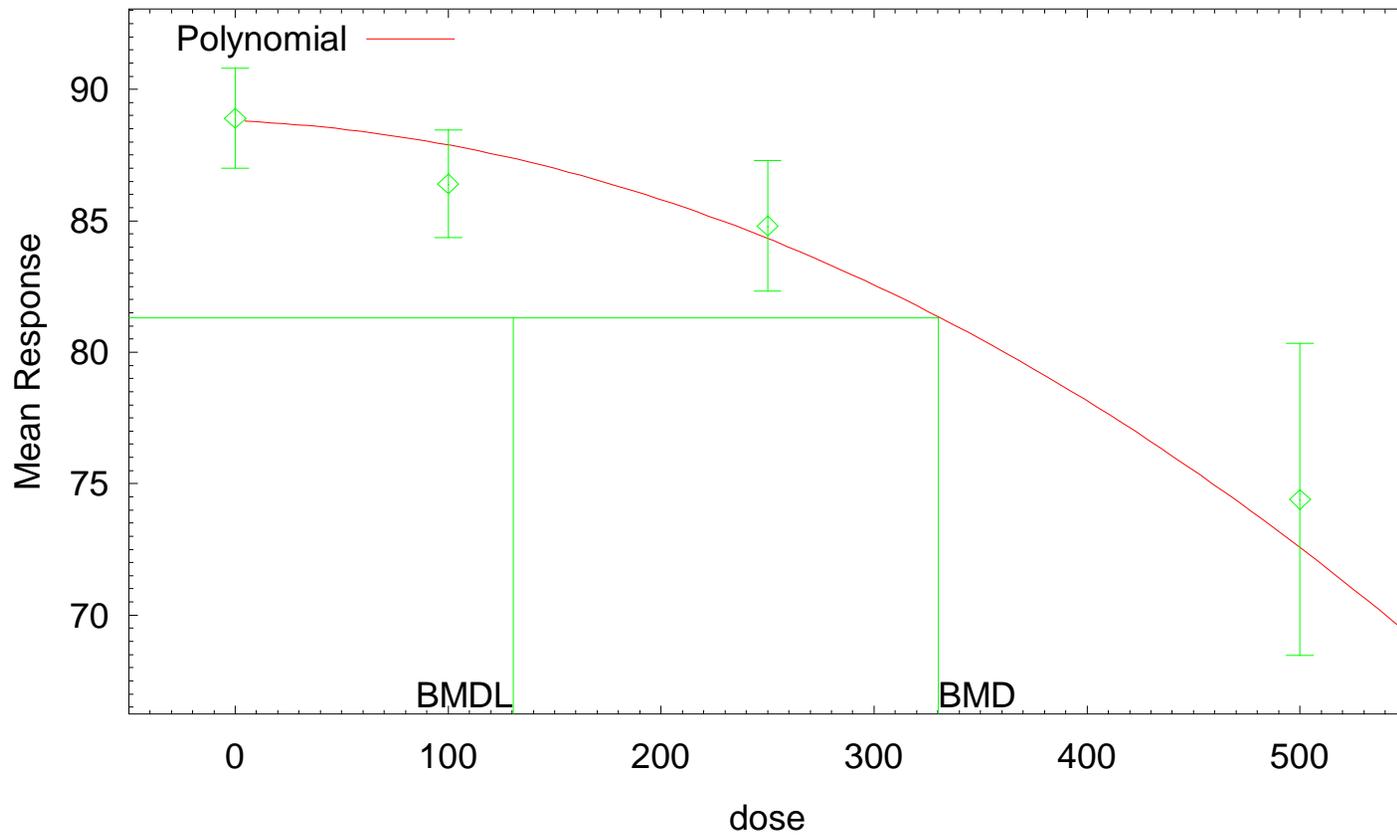


16:10 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

Spermatogenic Effects

F1 Males Sperm Motility (Stump 2001)  
Polynomial Model with 0.95 Confidence Level



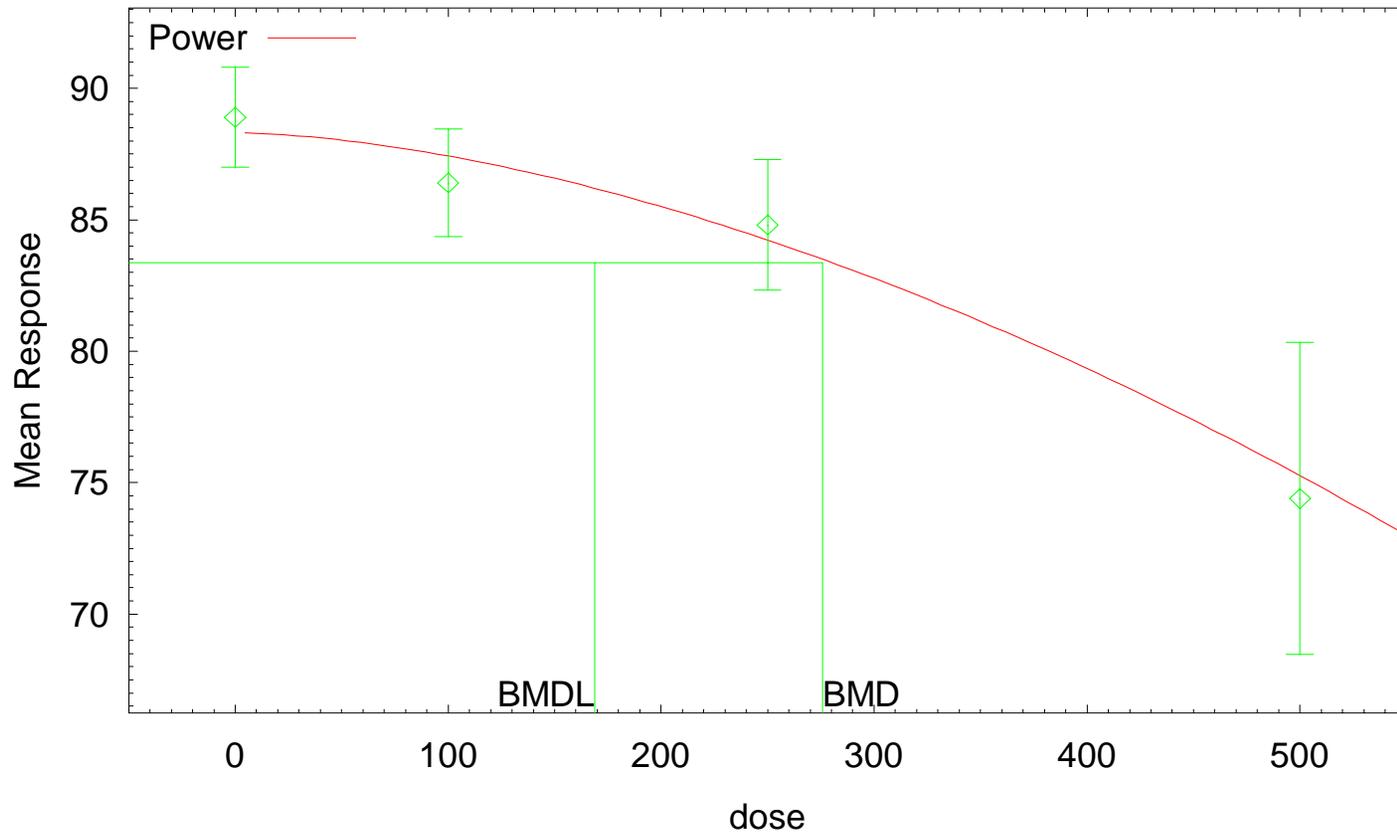
16:10 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*

B-41

Spermatogenic Effects

F1 Males Sperm Motility (Stump 2001)  
Power Model with 0.95 Confidence Level



16:10 08/09 2001

\*\*\*\*\*DRAFT FINAL (May 2002)\*\*\*\*\*